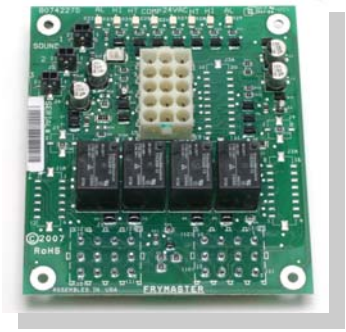
Frymaster

Dean

# Major Components Manual



## Essential Parts

- H50/55
- LOV
- OCF
- Open Burner
- Decathlon
- 24G
- Dean Millivolt
- Electric/RE
- 2836
- HPRE
- 1721/18UE
- Pumps, Motors
- Pasta Magic, gas
- GSMS
- 17/8 SMS
- UHC-HD
- UHC-P
- UHC
- HLZ
- Tools
- Filter Paper
- Manual Cross Reference

24-Hour Service Hotline **1-800-551-8633**
or service@frymaster.com

CFESA
Commercial Food Equipment Service Association

Frymaster, a member of the Commercial Food Equipment Service Association, recommends using CFESA-certified technicians.

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**www.frymaster.com**

8 1 9 6 3 2 1

**NOTICE**

**IF, DURING THE WARRANTY PERIOD, THE CUSTOMER USES A PART FOR THIS MANITOWOC EQUIPMENT OTHER THAN AN UNMODIFIED NEW OR RECYCLED PART PURCHASED DIRECTLY FROM FRYMASTER DEAN, OR ANY OF ITS AUTHORIZED SERVICE CENTERS, AND/OR THE PART BEING USED IS MODIFIED FROM ITS ORIGINAL CONFIGURATION, THIS WARRANTY WILL BE VOID. FURTHER, FRYMASTER DEAN AND ITS AFFILIATES WILL NOT BE LIABLE FOR ANY CLAIMS, DAMAGES OR EXPENSES INCURRED BY THE CUSTOMER WHICH ARISE DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART, DUE TO THE INSTALLATION OF ANY MODIFIED PART AND/OR PART RECEIVED FROM AN UNAUTHORIZED SERVICE CENTER.**

**⚠ DANGER**

**Copper wire suitable for at least 167°F (75°C) must be used for power connections.**

**⚠ DANGER**

**The electrical power supply for this appliance must be the same as indicated on the rating and serial number plate located on the inside of the fryer door.**

**⚠ DANGER**

**This appliance must be connected to the voltage and phase as specified on the rating and serial number plate located on the inside of the fryer door.**

**⚠ DANGER**

**All wiring connections for this appliance must be made in accordance with the wiring diagrams furnished with the equipment. Wiring diagrams are located on the inside of the fryer door.**

**⚠ DANGER**

**Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

**⚠ WARNING**

**Do not attach accessories to this fryer unless fryer is secured from tipping. Personal injury may result.**

**⚠ WARNING**

**Frymaster fryers equipped with legs are for permanent installations. Fryers fitted with legs must be lifted during movement to avoid damage and possible bodily injury. For a moveable or portable installation, Frymaster optional equipment casters must be used. Questions? Call 1-800-551-8633**

**⚠ WARNING**

**Do not use water jets to clean this equipment.**

**⚠ DANGER**

**All wiring connections for this appliance must be made in accordance with the wiring diagrams furnished with the equipment. Wiring diagrams are located on the inside of the fryer door.**

**⚠ WARNING**

**This equipment is intended for indoor use only. Do not install or operate this equipment in outdoor areas.**

# Frymaster and Dean Major Components

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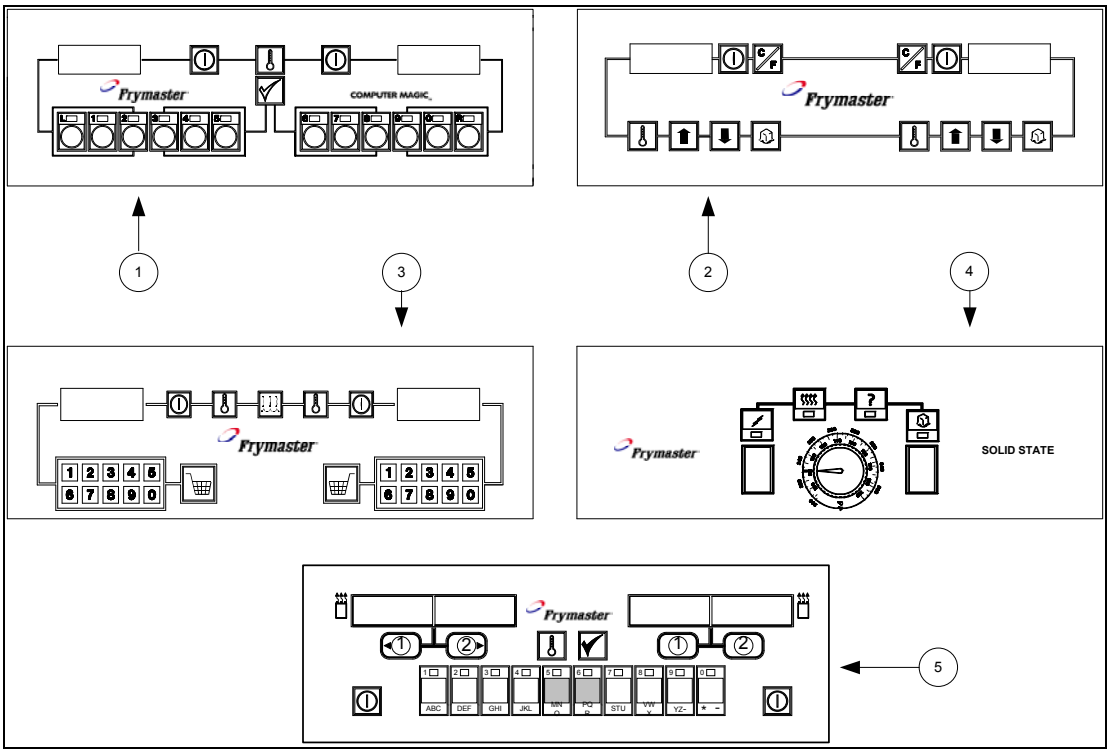
# H50/52/55




## Controllers

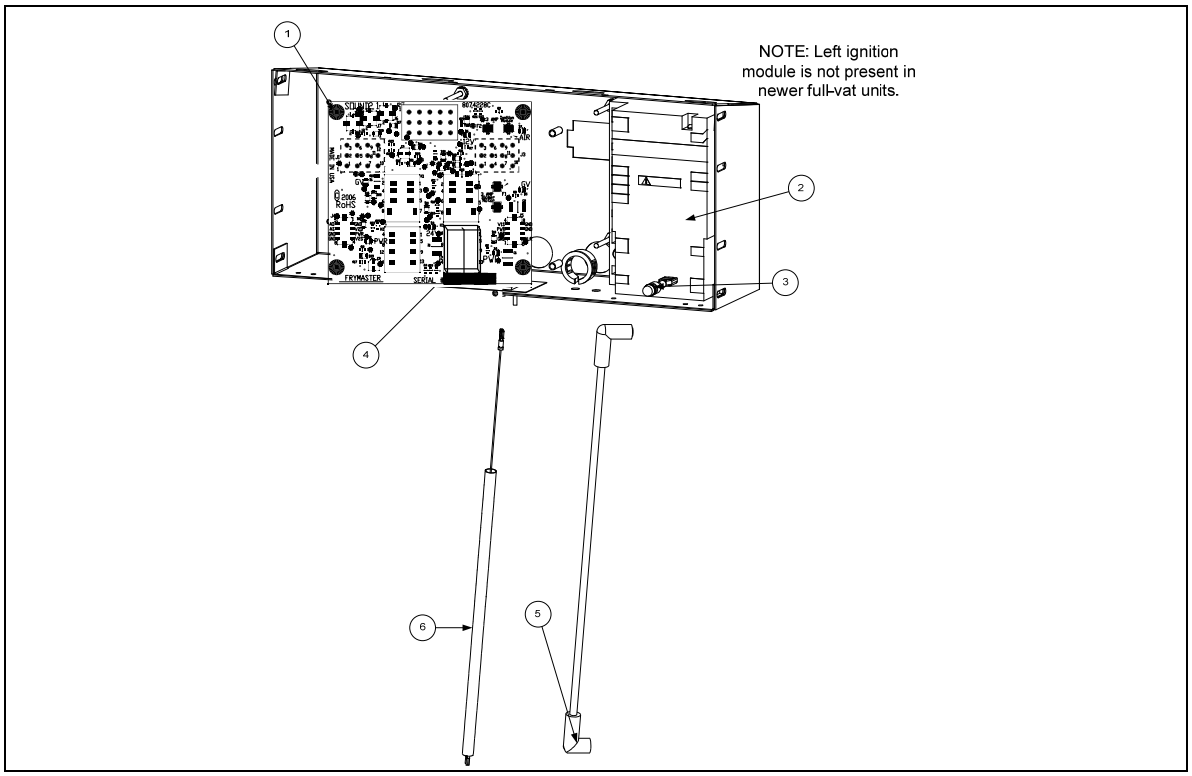
| # | Stock | | **Standard Part # | **Euro-look Part # | Component |
|---|---|---|---|---|---|
| | | | | 826-3107 | **3000 Controller** |
| 1 | | | | | **Computer Magic III.5** |
| | | | 826-2287 | 826-2380 | Dual-vat |
| | ✓ | ✓ | 826-2286 | 826-2324 | Full-vat |
| | | | 826-2296 | | Dual-vat CE |
| | | | | 826-2297 | Full-vat CE |
| 2 | | | | | **Digital Controller** |
| | | | 826-2365 | 106-3492 | Dual-vat |
| | | | 826-2364 | 826-2384 | Full-vat |
| | | | 826-2363 | | Dual-vat CE |
| | | | 826-2304 | | Full-vat CE |
| 3 | | | | | **Basket Lift Timer** |
| | | | 826-2312 | 826-2384 | Dual-vat |
| | | | 826-2311 | 826-2385 | Full-vat |
| | | | | 826-2372 | Dual-vat CE |
| | | | | 826-2314 | Full-vat CE |
| 4 | | | | | **Solid State (Analog) Controller *(controller knob is 810-0387)*** |
| | | | 806-3008 | 106-3375 | Dual-vat |
| | ✓ | ✓ | 106-6023 | 106-6022 | Full-vat ***(use 106-6027 for Foodmaker units)*** |
| | | | | 806-3564E | Dual-vat CE |
| | | | | 806-3563E | Full-vat CE |
| * | ✓ | ✓ | 806-2071 | 806-2071 | 15-pin Wiring Harness, Computer-to-Interface Board |
| * | | | 807-4199 | 807-4199 | SMT Wiring Harness, Computer-to-Interface Board |
| * | | | 826-2278 | 826-2278 | Remote Computer, Burger King |
| * | ✓ | ✓ | 807-4397 | 807-4397 | Remote Computer Adapter |

| # | Stock | **Standard Part # | **Euro-look Part # | Component |
|---|---|---|---|---|
| | | | | **McDonald's Computer** |
| 5 | | 826-2346 | 826-2343 | M2000 Full Vat Domestic |
| | | 826-2342 | 826-2342 | M2000 CE |
| | | 826-2348 | 826-2348 | M2000 Australia only |
| * | | 826-2609* | | Hardware kit M100 to M2000 Conversion *without computer |

* Not illustrated.

** Pro H50/55-Series cabinets were manufactured with standard cabinets with the 90º-edge topcap and the Euro-Look cabinets with the rounded topcap.

## Gas Control Box Components




| Item | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 826-2264 | Interface Board |
| 2 | ✓ | 807-3366† | Ignition Module, Dual-spark Full-vat (non-CE Markets) |
| * | ✓ | 807-3365† | Ignition Module, Single-spark Dual-vat |
| * | ✓ | 807-1006 | Ignition Module for Pre-August 2000 units and CE Markets |
| 3 | ✓ | 807-3484 | Connector, Rajah |
| 4 | ✓ | 807-0833 | Relay, DPDT 5A 12VDC Latch |
| * | ✓ | 807-0834 | Relay, SPDT 15A 12VDC Basket Lift (See Note 2 below) |
| 5 | | 826-2024 | Cable, 21-inch Ignition *(comes with Rajah connector) Use with 807-3365, 807-3366* |
| * | | 807-5009 | Cable, Ignition CE use with 807-1006 |
| 6 | ✓ | 806-6085SP | Flame Sensor wire assembly |
| * | ✓ | 826-1721 | Ignition Cable *(2 ignition cables, 2 rajah connectors)* |
| * | ✓ | 807-1200 | Ignition Wires, 27-inch *(used with 807-1006)* |

| | | | |
|---|---|---|---|
| * | ✓ | 807-1878 | Ignition Wires, 19-inch *(used with 807-1006)* |
| * | | 826-1393 | Fuse (807-0910) 250V 3 amp Qty 10 |
| * | | 807-3843 | Fuse 250V 3 amp (on interface board) |
| * | ✓ | 806-3660 | Sound Device, High Output |
| * | ✓ | 826-2458 | Speaker, McDonald's |
| * | ✓ | 810-3141 | SMT Sound Device |

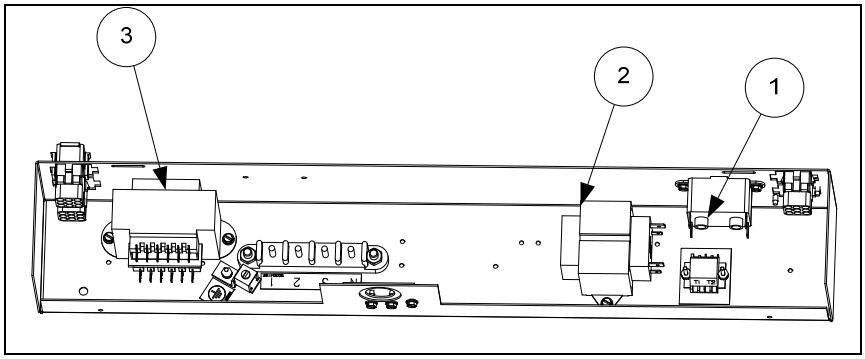
* Not illustrated.

† For dual-vat units, use 807-3365 Single-Spark Ignition Module (see **NOTE 1**).

**NOTE 1:** Dual-vat units use two 807-3365 Single-Spark Ignition Modules. Full-vat units use one 807-3366 Dual-spark ignition module. Also, in full-vat units, only one latch relay is used, located in the lower right socket.

**NOTE 2:** Basket lift relays are present only on units equipped with basket lifts.

## Transformer/Relays

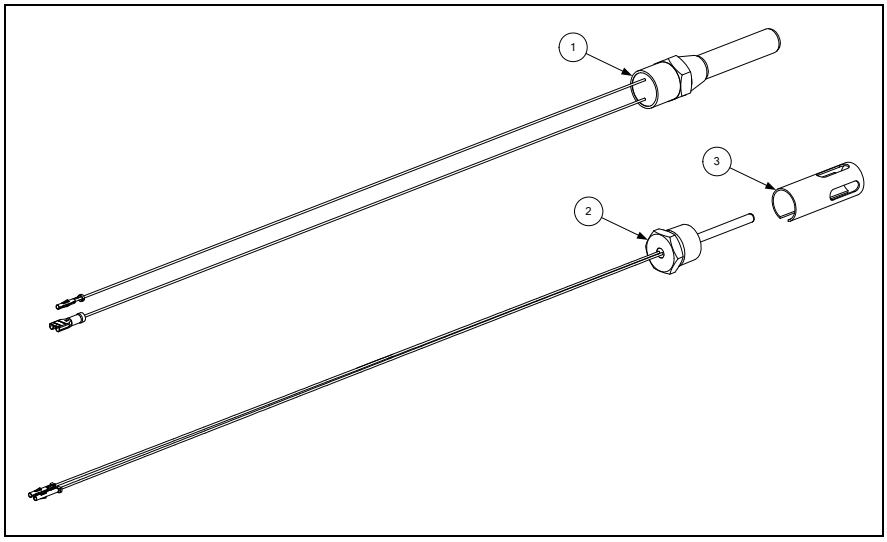



| Item | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 807-0012 | 4-Terminal Relay, Filter Only |
| * | ✓ | 807-2434 | 5-Terminal Relay, Filter Only |
| 2 | ✓ | 807-0800 | Transformer, 100-120V/24VAC 50/60Hz 50VA |
| 3 | | 807-2176 | Transformer, 100-120V V/F Dual Voltage |
| * | ✓ | 807-0855 | Transformer, 120V/12V |
| * | ✓ | 807-2180 | Transformer 208-240V/24V 50VA |
| * | ✓ | 807-4978 | Transformer Dual 100/120-12/24V |
| | | 807-5129 | Transformer, V/F Dual Voltage |
| * | ✓ | 807-1683 | Relay, 12V (Hood Relay, McDonald's only. Can be located in transformer box.) |
| * | | 807-0154 | 115V Power Cord , 5-15P (Non-McDonald's) |
| * | | 806-6083 | 115V Power Cord, McDonald's with plug |
| * | | 807-3428 | Cordset, 220V/15A CE |
| * | | 106-0516 | Cordset, 220/250V Non-CE Export |
| | | 807-1978 | Harness, H50/52 Wiring |

* Not illustrated.

# H50/52/55

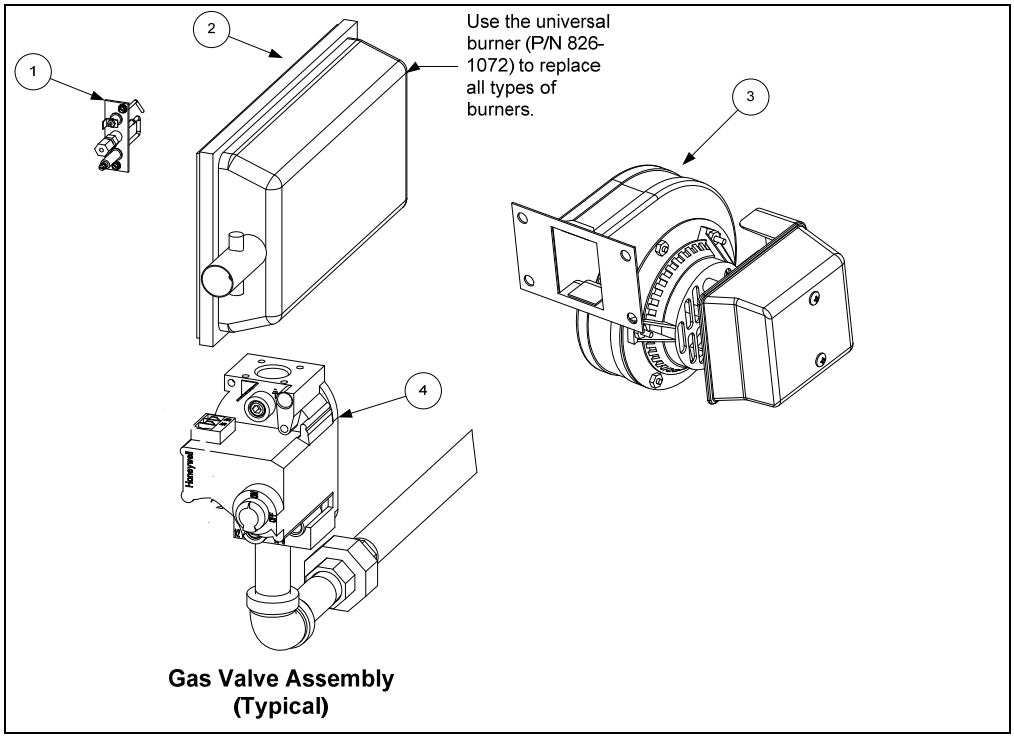
## High-Limit Thermostat and Temperature Probe




| Item | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 826-1177 | High Limit Thermostat - 425°F/218°C |
| 2 | ✓ | 806-4206 | Temperature Probe |
| 3 | ✓ | 210-0681 | Probe Guard |

# H50/52/55

## Gas Supply and Combustion System Components

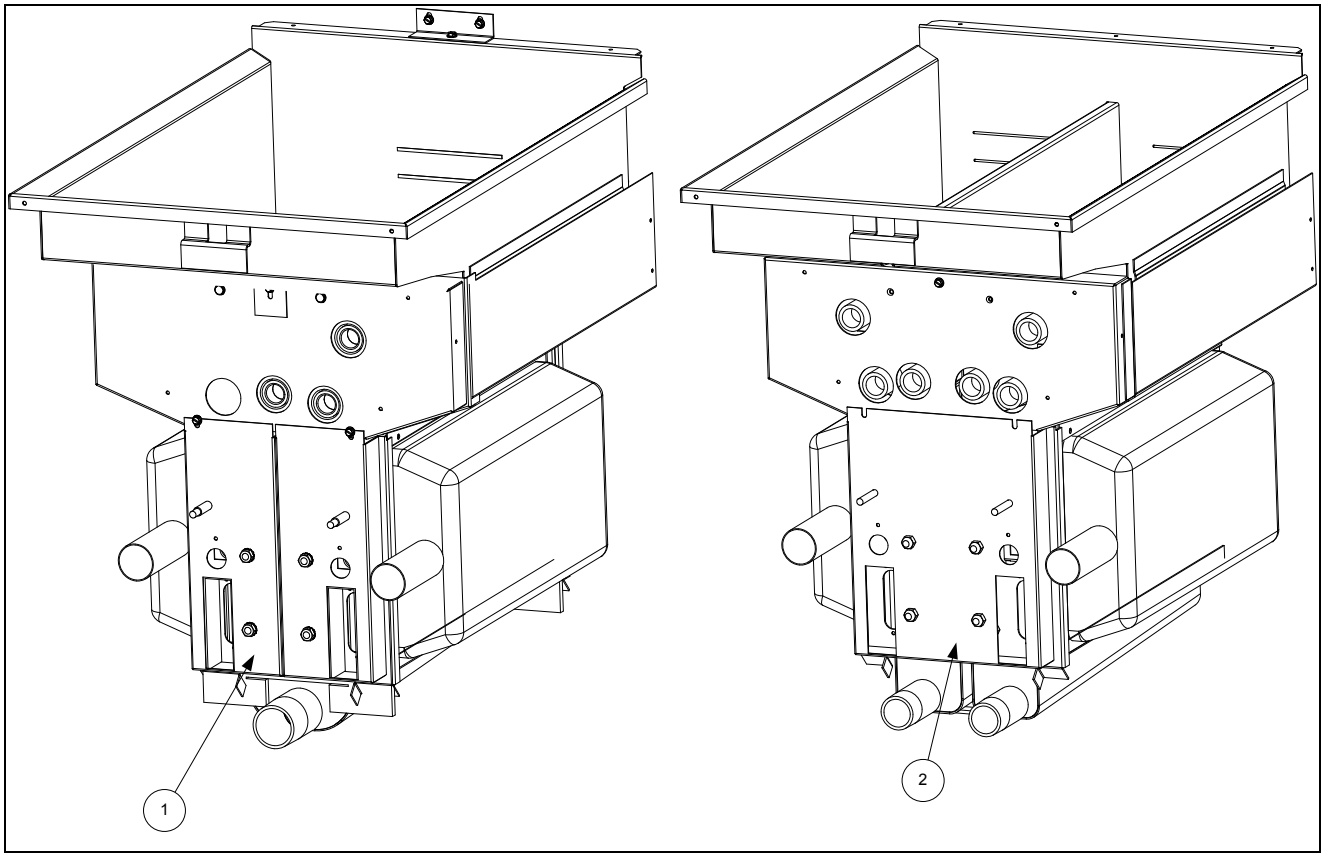



| Item | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Igniter** *(includes gasket 816-0059, which may be ordered separately)* |
| | ✓ | 826-0981 | Natural Gas |
| | ✓ | 826-0982 | Propane |
| 2 | ✓ | 826-1072 | Universal Burner |
| | | | **Blower Assembly, Combustion Air** *(includes harness )* |
| 3 | ✓ | 106-2994SP | 115V 50/60 Hz (Left) |
| * | ✓ | 106-2997SP | 115V 50/60 Hz. (Right) |
| * | | 106-2995SP | 230V 50/60Hz (Left) |
| * | | 106-3000 | 230V CE (Left) |
| 4 | | | **Gas Valve** |
| | ✓ | 826-1122 | Natural Gas |
| | | 826-1123 | Propane |
| | | 810-1715 | CE Gas (G20, G25, G30, G31) |
| * | | | **Conversion Kits** |
| | | 826-1145 | Natural Gas to Propane/Butane, Full-vat |
| | | 826-1146 | Propane/Butane to Natural Gas, Full-vat |
| | | 826-1147 | Natural Gas to Propane/Butane, Dual-vat |
| | | 826-1148 | Propane/Butane to Natural Gas, Dual-vat |
| | | | **Insulation Kits** |
| * | ✓ | 826-0929 | Kit, Insulation, Full Vat |
| * | ✓ | 826-0930 | Kit, Insulation, Split Vat |
| * | ✓ | 826-0931 | Burner Insulation Kit, Full Vat |
| * | ✓ | 826-0932 | Burner Insulation Kit, Split Vat |

* Not illustrated.

# H50/52/55

## Frypots




| Item | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 106-1050SP | Frypot, Full Vat, Complete Assembly, Natural Gas or Propane |
| 2 | ✓ | 106-1080SP | Frypot, Dual Vat, Complete Assembly, Natural Gas or Propane |

* Not illustrated.

# LOV Electric and Gas

**Models: McD**
BIELA14, BIGLA30

**BIELA314**

**BIGLA330**

The Low Oil Volume (LOV) fryers are an extension of the RE-series electric and the H55 gas fryers. The units feature low-volume frypots, automatic top off system, an advanced computer and automatic hands-off filtering.

A great many of the LOV components are common to both gas and electric platforms.

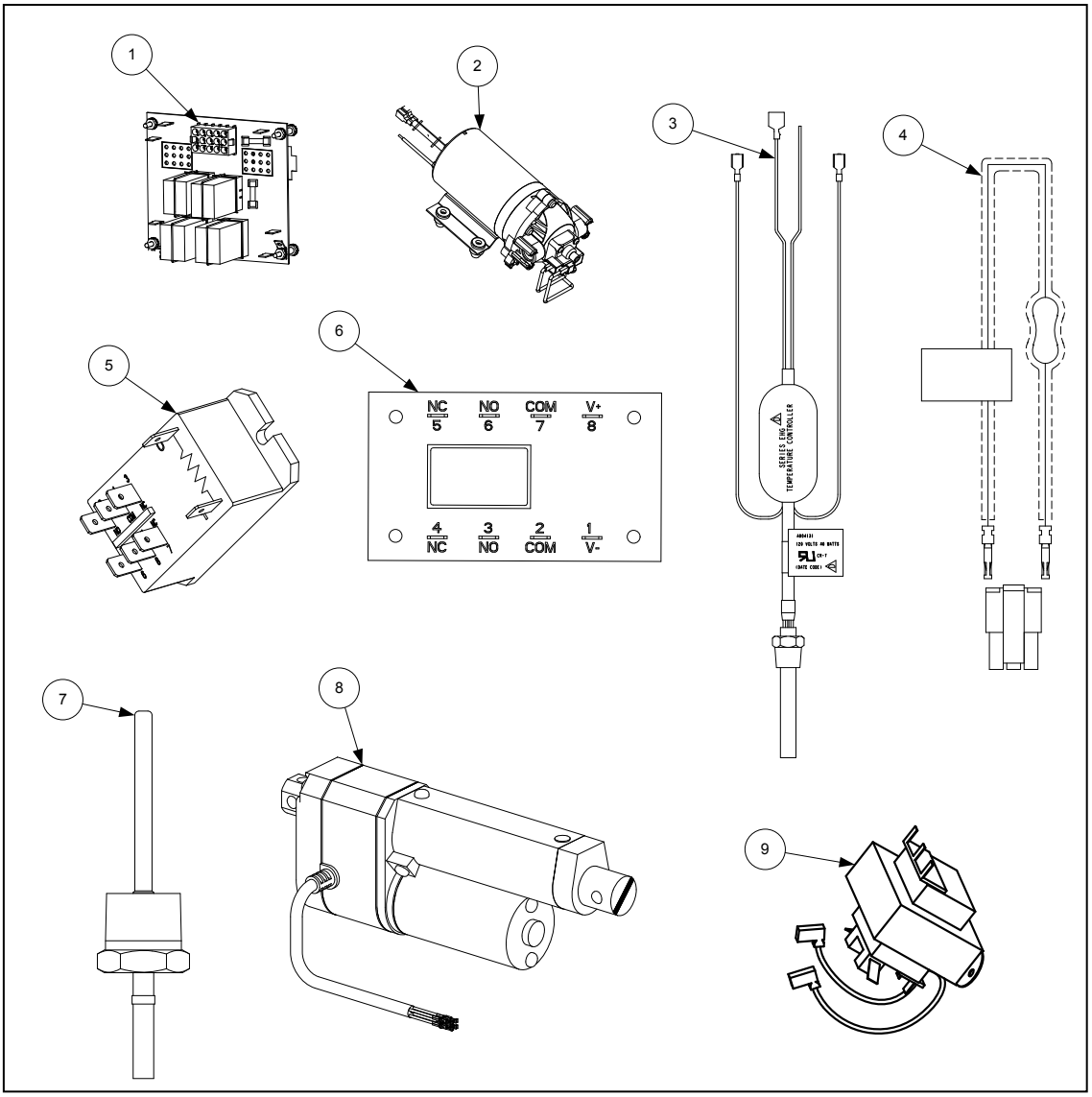
**Unique physical characteristics:**
Shallow frypots, ports for auto top off, onboard oil reservoir (JIB), advanced computer.

**Where used:**
McDonald's

**Common Model numbers:**

- **Electric** — BIELA214, BIELA314
- **Gas** — BIGLA230, BIGLA330

# LOV Electric and Gas




| # | Stock | | Gas | Electric | Description |
|---|---|---|---|---|---|
| 1 | ✓ | ✓ | 826-2264 | 826-2260 | Interface board |
| * | ✓ | | 826-2706 | x | AIF Probe |
| * | | | 108-1279 | x | ATO Board |
| * | ✓ | ✓ | 108-2158 | 108-2156 | MIB Circuit Board (internal with mylar & frame) |
| * | ✓ | ✓ | 108-1306 | 108-1305 | AIF Board Assy |
| * | ✓ | | 108-1284 | x | M3000 Computer (Non CE) |
| | | | 108-1282 | x | M3000 CE (Australian Electric) |
| | | | 108-1290 | NA | M3000 Australia Gas only |
| | | | NA | 108-2969 | M3000 Russia only |
| 2 | ✓ | | 108-0639 | x | Pump, Auto Top Off |
| 3 | ✓ | | 807-4815 | NA | Sensor Assy Gas Oil Level 115v |
| * | | | 807-4947 | NA | Sensor Assy, Gas Oil Level, 230V |
| 4 | | | 807-4552 | x | Harness, Communication, end |

# LOV Electric and Gas

| | | | | |
|---|---|---|---|---|
| 5 | | 807-4482 | x | Relay, 24VDC, 30A DPDT |
| * | | 807-4770 | X | Relay DPDT, 240VAC |
| 6 | ✓ | 807-4812 | x | Relay 7 sec delay 115v |
| * | | 807-4934 | x | Relay 7-sec delay, 220V |
| 7 | | 807-4817 | NA | Probe Gas LOV Cooking |
| * | | 826-3053 | NA | Igniter, Natural gas (with gasket) |
| * | | 826-2994 | NA | Igniter, propane (with gasket) |
| * | | 826-1177 | x | 425°F/218°C Hi-Limit kit |
| * | | | 826-2456 | 435°F/224°C Hi-Limit kit DV |
| * | | 826-2455 | x | 415°F/213°C Hi Limit kit, CE |
| * | ✓ | 807-2284 | x | Contactor,50 amp mech 24V coil |
| * | ✓ | 810-1202 | x | Contactor, 40 amp 3 pole |
| 8 | ✓ | 826-2587 | x | Actuator, Linear w / pin clips |
| * | ✓ | 807-4961 | x | Rotary actuator, blue |
| * | ✓ | 807-4962 | x | Rotary actuator, black |
| * | | 810-3754 | x | Valve, 1/2 NPT rotary |
| * | | 810-3755 | x | Valve,1-1/4 NPT rotary |
| * | ✓ | 807-4546 | x | Harness, Communication |
| * | | 807-4547 | x | Harness, Communication & Power |
| * | ✓ | 807-4660PK | x | SMT Pin & Wire Repair |
| 9 | | 807-2181 | x | Transformer 100/120-24V 62VA |
| * | ✓ | 807-2180 | x | Transformer 208/240-24V 50VA |
| * | | 807-2191 | x | Transformer, V&F 208/230/240-12V |
| * | | 826-2880 | x | SD Card |

X = same as gas

# OCF Electric and Gas

**Models:** OCF30G, OCF30ATOG, OCF30E, OCF30ATOE

**OCF230ATOG**

**OCF230ATOE**

The Oil Conserving Fryers (OCF) are an extension of the RE-series electric and the H55 gas fryers. The units feature low-volume frypots, optional automatic top off and an optional advanced computer, which displays programmed filtering prompts.

A great many of the OCF top-off components are common to the gas and electric platforms.

**Unique physical characteristics:**
Shallow frypots, ports for optional auto top off, onboard oil reservoir (JIB), optional advanced computer.

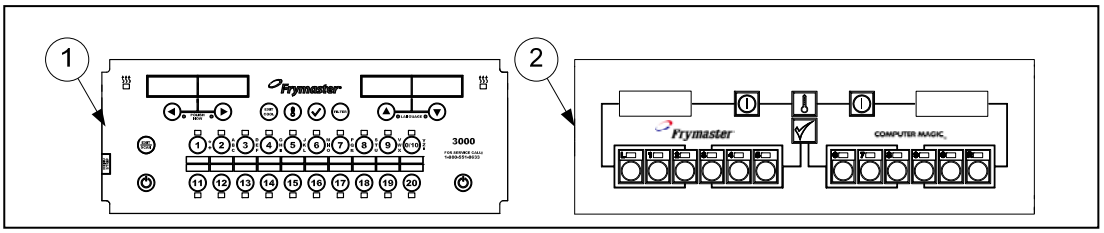
**Where used:**
Burger King and larger fast food chain restaurants

**Common Model numbers:**

- **Electric** — OCF30E or OCF30ATOE
- **Gas** — OCF30G or OCF30ATOG

# OCF Electric and Gas

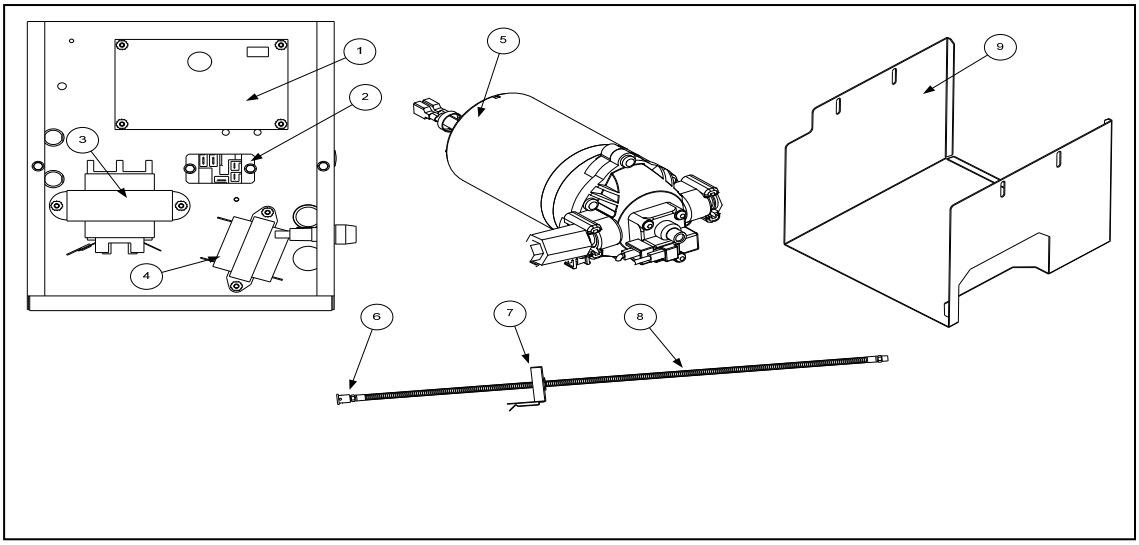
## Controllers




| # | Stock | Gas | Electric | Description |
|---|---|---|---|---|
| 1 | | 826-3107 | X | 3000 Controller |
| 2 | | 826-2380 | 826-2395 | CM3.5 (Non-CE for use in US, Canada, Mexico) |
| * | | 826-2381 | | CM3.5 (CE countries) |
| * | ✓ | | 826-2332 | CM3.5 (CE countries) |
| * | | 826-2382 | | CM3.5 (CE countries with 8-sec melt cycle) |
| * | | 807-4552 | x | Communications terminator |
| * | ✓ | 826-2264 | | Interface board |
| * | ✓ | | 826-2260 | Interface board |

X = same as gas

## ATO Components



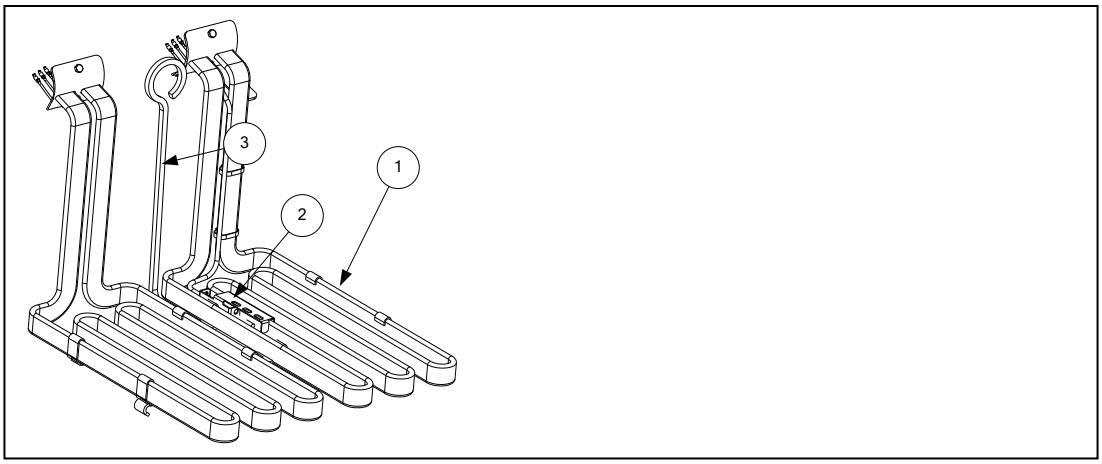

| # | Stock | Gas | Electric | Description |
|---|---|---|---|---|
| 1 | ✓ | 108-2805 | X | Automatic Top-Off board |
| * | ✓ | 826-2706 | X | Probe, ATO kit |
| 2 | ✓ | 807-1683 | X | Relay, top off pump |
| 3 | | 807-2181 | X | Transformer, 100-120V/24V 62VA |
| 4 | ✓ | 807-0855 | X | Transformer, 120V 50-60 12V, 20VA |
| * | ✓ | 807-2180 | X | Transformer, 208-240V/24V 50VA |
| * | | 807-2191 | X | Transformer, 208/230/240-12V 30VA |
| 5 | ✓ | 108-0639 | X | Top-off pump, 24VAC |

# OCF Electric and Gas

| | | | | |
|---|---|---|---|---|
| * | | 108-1049SP | X | JIB hose and cap assembly |
| 6 | | 810-3300 | X | JIB Hose inlet |
| 7 | | 823-2001 | X | JIB cap |
| 8 | | 810-3663 | X | JIB hose |
| 9 | | 220-8363 | X | JIB Cradle |
| * | ✓ | 108-2555 | X | ATO Solenoid |

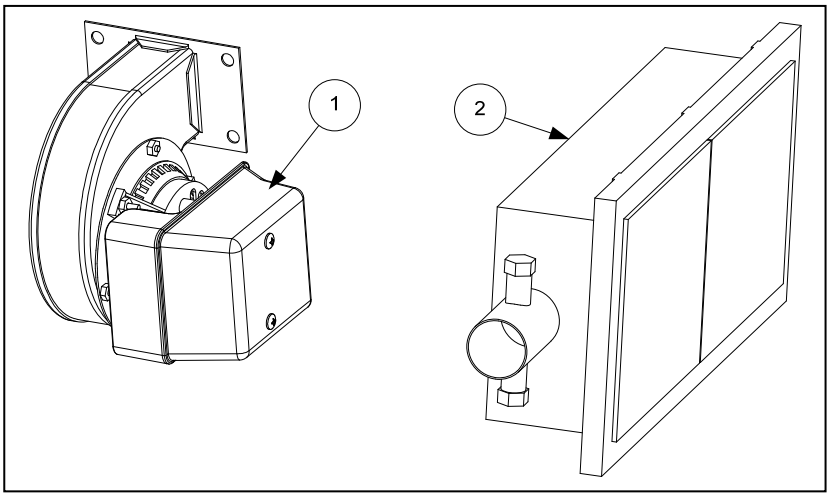
X = same as gas

## Elements




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | | Element Kits – *includes gaskets, grommets, tie wraps, screws and nuts.* |
| | | 826-2198 | 200V 7.0 kW **(220V 8.5kW used in some export 3-phase 4-wire WYE units)** |
| | | 826-2201 | 200V 8.5 kW |
| | ✓ | 826-2192 | 208V 7.0 kW |
| | | 826-2197 | 208V 8.5 kW |
| | | 826-2200 | 220V 7.0 kW **(220V 8.5kW used in some export 3-phase 4-wire WYE units)** |
| | | 826-2193 | 230V 7.0 kW |
| | | 826-2199 | 230V/400V 7.0 kW/8.5 kW**(220V 8.5kW used in some export 3-phase 4-wire WYE units)** |
| | | 826-2194 | 240V 7.0 kW |
| | | 826-2195 | 440V 7.0 kW |
| | | 826-2202 | 440V 8.5 kW |
| | | 826-2196 | 480V 7.0 kW |
| | | 826-2203 | 480V 8.5 kW |
| 2 | ✓ | 826-2212 | Probe, Temperature RE – *includes tie wraps and grommet.* |
| 3 | | 810-1233 | Handle, Element lift |

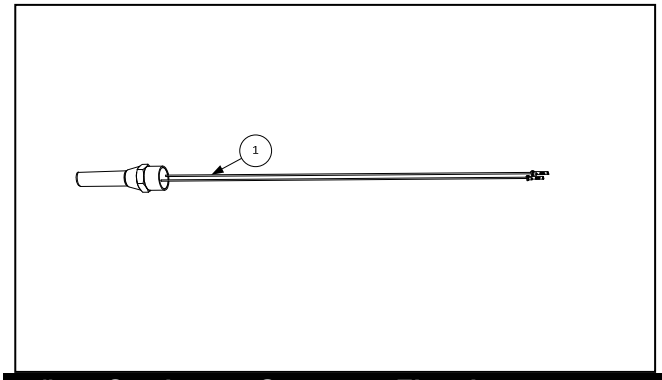
# OCF Electric and Gas




## Burners

| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | ✓ | 106-2997SP | 115V 50/60 Hz Blower |
| | | 108-3307SP | 220V 60Hz |
| | | 106-2998SP | 208-240V 50/60 Non-CE |
| | | 106-3001SP | 230V 50/60Hz CE |
| 2 | ✓ | 810-3435 | Burner, universal |
| * | | 826-3053 | Igniter, natural gas |
| * | ✓ | 826-2994 | Igniter, Propane |
| * | | 812-0706 | Insulation, Upper Burner Rail |
| * | | 816-0900 | Insulation, Burner Textile (Seals edges of burner) |

## Hi-Limits




| # | Stock | Gas | Electric | Description |
|---|---|---|---|---|
| 1 | ✓ | 826-1177 | X | 425°F°/218°C non-CE Hi-Limit kit |
| * | | | 826-2455 | 415°F/213°C CE Hi-Limit kit |

# Open Burner

**Models:** MJ, PMJ, 35, 45, CF, J1C

The open burner, or Master Jet, family of fryers includes the 35, 45, CF, and J1C series at the upper end and the GF14 and GF40 at the lower end.

An open burner surrounds the frypot of the MJ series of fryers. Orifices secure the deflectors.

**Unique physical characteristic:**

- A U-shaped burner manifold surrounds the frypot, supplying flame to metal deflectors, or targets, which direct the heat to the frypot.

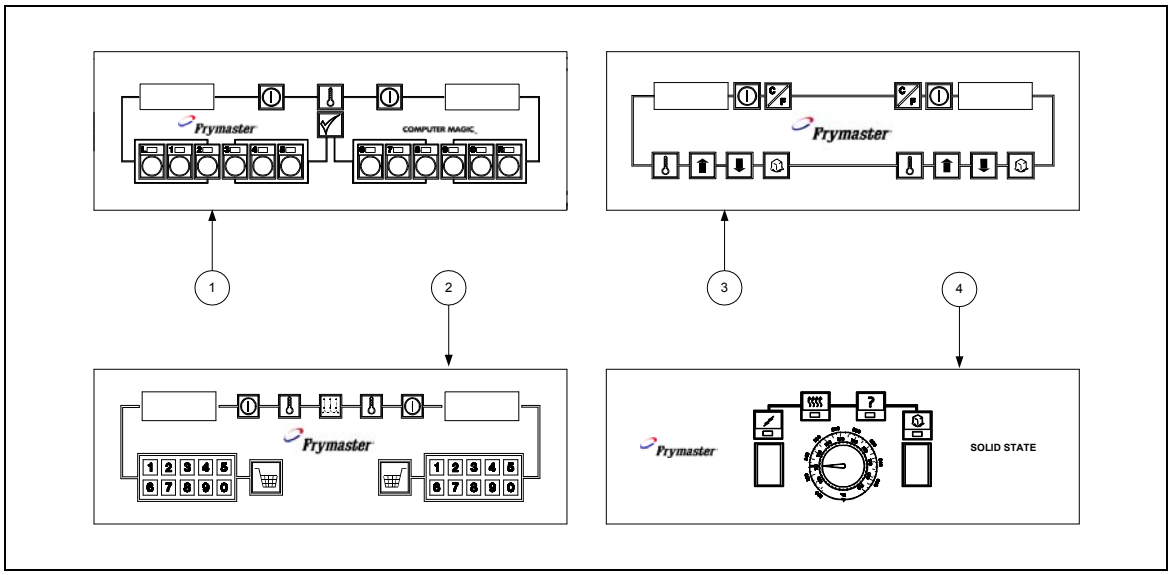
**Where used:**

- Burger King uses 45's. The other models will be found in smaller restaurants.

**Common Model Numbers:** FPP235, FMP245, PMJ145, MJ1CF, KJ3FC, J1C,

# Open Burner

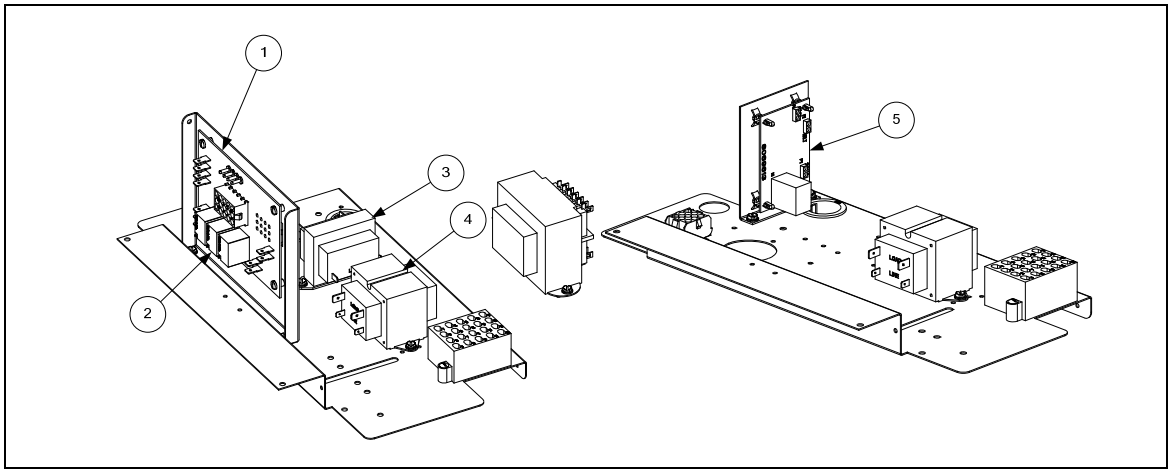
## Controller Assemblies (Other than Thermostat Controllers)




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Computer Magic III, MJ45, FM45 Series** |
| | ✓ | 826-2285 | Built-In 45 |
| | | 106-7248 | Remote On-Hood |
| | | 826-2280 | Remote In-Hood |
| | | 826-2294 | Built-in CF (Standard) CMIII.5 |
| | | 826-2392 | CF (Euro look) |
| | ✓ | 826-2327 | FPP 35/45 FV CMIII.5 (except Buffalo Wild Wings) |
| | | 826-2390 | FPP 34/45 DV CMIII.5 (except Buffalo Wild Wings) |
| | ✓ | 826-2327 | FPP35/45 FV Euro Look |
| 2 | | | **Basket Lift Timers** |
| | | 106-3373 | CF (Euro look) BL Controller |
| | | 826-2393 | FPP 34/45 FV Basket lift Controller |
| | | 106-4171 | FPP 34/45 DV Basket Lift Controller |
| 3 | | | **Digital Controllers** |
| | ✓ | 826-2302 | Controller, Digital |
| | | 106-4174 | FPP 34/45 FV Digital Controller |
| | | 106-4175 | FPP 34/45 DV Digital Controller |
| 4 | | | **Solid State Controllers** |
| | | 806-3559 | Controller, Solid State ***(controller knob is 810-0387)*** |
| | ✓ | 106-6022 | FPP 34/45 FV Analog Controller |
| | | 106-3375 | FPP 34/45 DV Analog Controller |

# Open Burner

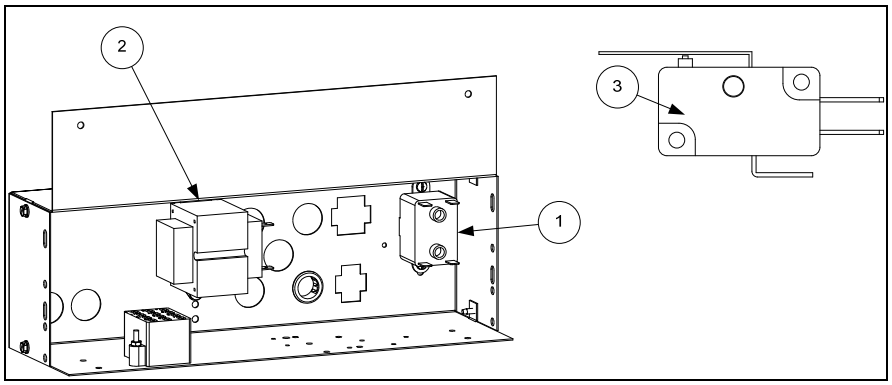
## Component Parts




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Interface Boards** |
| | ✓ | 826-2574 | Universal Replacement: MJ, FM, 45, CF |
| | ✓ | 826-2425 | Interface Board, FPP/FMP 35/45 with Standing Pilot |
| | | 806-5857 | Interface Board, FPP/FMP 35/45 with electronic ignition |
| 2 | | | **Relays** |
| | ✓ | 807-0833 | Heat relay |
| | ✓ | 807-0834 | Basket Lift Relay |
| | ✓ | 807-0670 | 24V Relay, Lockout Electronic Ignition units |
| | | | **Transformers** |
| 3 | ✓ | 807-0855 | 100-120V 50/60 Hz Primary, 12V Secondary |
| 4 | ✓ | 807-0800 | 100-120V 50/60 Hz Primary 24V Secondary |
| * | | 807-5129 | V/F dual voltage |
| 5 | | 826-1546 | Kit, Melt Cycle Timer, replaces electromechanical timer |
| * | | 807-2191 | Transformer,V&F208/230/240-12V |
| * | | 807-2180 | Transformer, 208-240V/24V 50VA |
| * | ✓ | 826-2117 | Ignition Module, Electronic Ignition units |

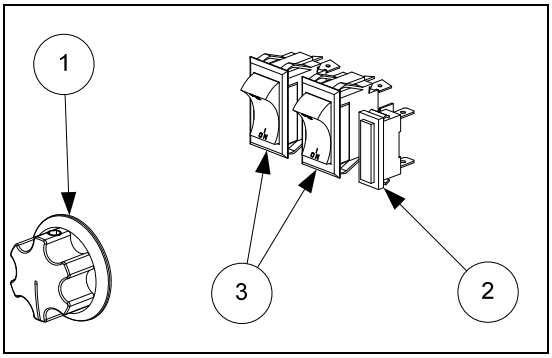
* Not illustrated.

# Open Burner




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 807-0012 | Relay, 18 Amp, SPST, Filter |
| 2 | ✓ | 807-0800 | Transformer, 100-120V Primary/24V Secondary 50/60 Hz 50VA |
| 3 | ✓ | 807-2103 | Micro Switch |
| * | | 807-2191 | Transformer,V&F208/230/240-12V |
| * | | 807-2180 | Transformer, 208-240V/24V 50VA |
| * | ✓ | 807-2104 | Micro Switch with roller |

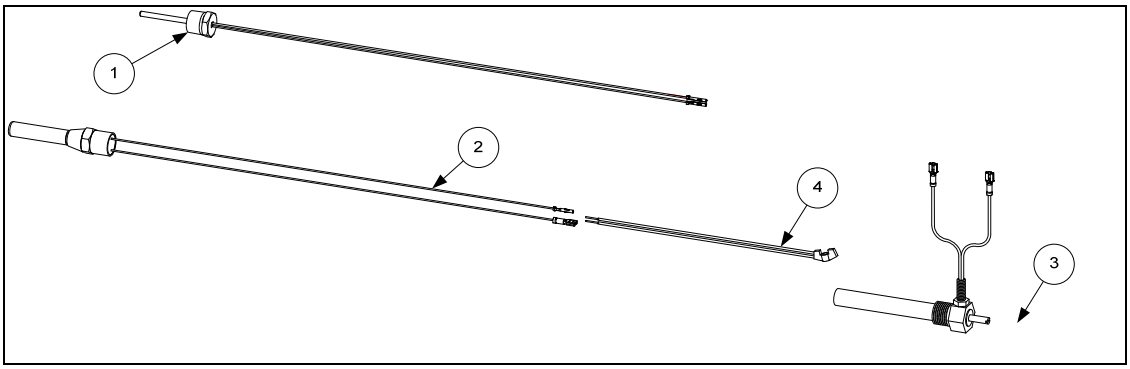
## Controller Assemblies (Thermostat Controllers)




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 810-0334 | Knob, Operating Thermostat with skirt |
| * | ✓ | 810-0110 | Knob, MJ35 Operating Thermostat |
| 2 | ✓ | 807-1525 | Light, White Melt Cycle Indicator, 24V |
| 3 | ✓ | 807-3498 | Switch, 24V, Used for ON/OFF or Melt Cycle |

# Open Burner

## Temperature Probe, Thermostats, and Related Components



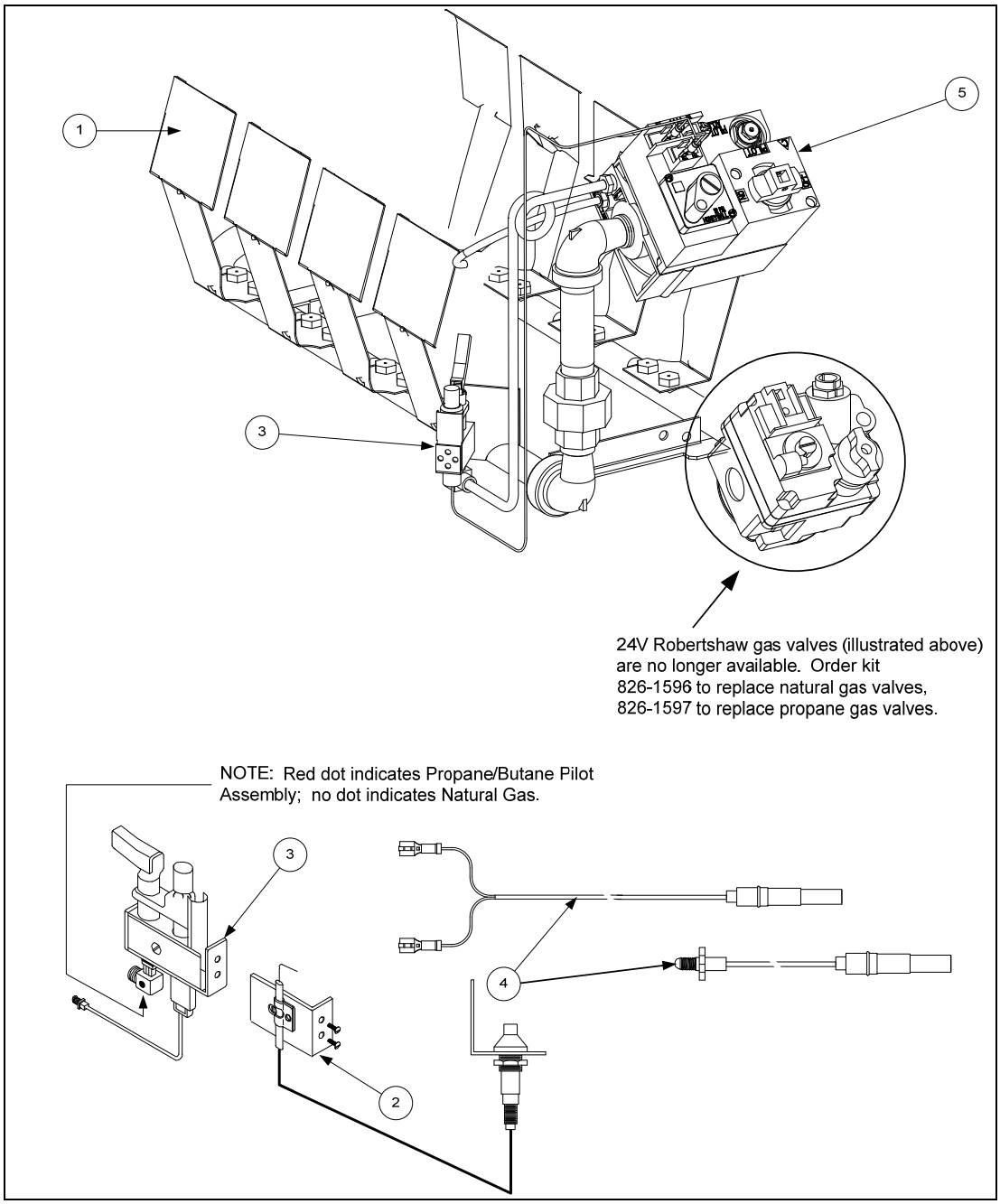

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 806-4206 | Temperature Probe, Minco |
| 2 | ✓ | 826-1177 | Thermostat, 425°F High-Limit (see **NOTE**) |
| * | | 106-8433 | Thermostat Assy,425 Hi-Limit, Australian |
| * | | 806-7550 | Thermostat, Hi-Limit, CE |
| 3 | ✓ | 806-0183 | Thermostat Assembly, Operating, MJ45/MJCF/MJ47 |
| * | | 806-7972 | MJ35/MJ35 CE Thermostat assy |
| * | | 807-0098 | Thermostat Oper |
| * | | 807-0099 | Thermostat 3 Fenwal |
| 4 | | 807-0280 | Hi-limit Adapter |
| * | ✓ | 806-0184 | Thermostat Assembly, MJ, FM, J1C with Robertshaw Gas Valve |
| * | | 806-5816 | Thermostat Assembly, MJ, FM, FPP, FMP, J1C, GF14 Sysco, 35 with Honeywell Gas Valve |
| * | ✓ | 826-2014 | Thermostat, GF14, GF40 |

* Not illustrated.

**NOTE:** Kit 826-1177 (Item 2) contains high-limit thermostat 806-7545 and an assortment of connectors to allow it to be configured for use on several Robertshaw valves.

## Burner Assembly Component Parts

# Open Burner


1
5
3
24V Robertshaw gas valves (illustrated above) are no longer available. Order kit 826-1596 to replace natural gas valves, 826-1597 to replace propane gas valves.
NOTE: Red dot indicates Propane/Butane Pilot Assembly; no dot indicates Natural Gas.
3
4
2

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Deflectors** |
| | ✓ | 230-1177 | 45 Deflector, Side |
| | ✓ | 230-1206 | 45 Deflector, Rear |
| | ✓ | 230-1178 | 35/CF Deflector, Side |
| | | 230-1180 | 35/CF Deflector, Rear |
| | | 230-1568 | JIC Deflectors, all |
| 2 | | 826-1155 | Igniter Kit, Optional Piezo |

# Open Burner

| # | Stock | Part # | Component |
|---|---|---|---|
| | | 807-1906 | Electrode Assembly |
| | ✓ | 810-1001 | Trigger |
| 3 | | | Pilot Assembly |
| | | 806-8688SP | Propane or Butane Gas, w/Thermopile (w/co-axial lead) |
| | | 810-1830 | Natural Gas, w/Thermopile (w/twin-leads) |
| | | 106-9570 | Pilot Assy,Fpp35/45 Nat Austr |
| | | 106-9571 | Pilot Assy,Fpp35/45 Pro Austr |
| | | 106-9921 | Pilot Assy, Aust Dual Nat |
| | | 106-1908 | PMJ 35 Pilot Assembly, Thermopile (Nat) domestic |
| | | 106-1906 | PMJ 35 Pilot Assembly, Thermopile (Pro) domestic |
| | | 810-2070 | MJ45 Pilot Assembly, (Pro) |
| | | 810-2071 | MJ 45 Pilot Assembly (Nat) |
| | ✓ | 810-0426 | Natural Gas, w/o Thermopile or Thermocouple |
| | | 810-0616 | Propane or Butane Gas, w/Thermopile (w/co-axial lead) |
| | | 810-1773 | Propane or Butane Gas, w/Thermopile (w/twin leads) |
| | ✓ | 810-0427 | Propane or Butane Gas, w/o Thermopile or Thermocouple) |
| 4 | | | Thermopile/Thermocouple |
| | ✓ | 810-1873 | Thermopile with push-on terminals |
| | ✓ | 810-0159 | Thermopile with fork terminals |
| | ✓ | 810-0617 | Thermopile with coaxial end |
| 5 | | | Valve, Gas (see Note 1 below) |
| | | 810-0975 | Knob, Millivolt Gas Valve |
| | ✓ | 807-3294 | Natural Gas (for 240V, use 807-0025) |
| | | 807-3295 | Propane/Butane Gas (for 240V, use 807-0759) |
| | ✓ | 807-1603 | Honeywell NAT millivolt gas valve |
| | ✓ | 807-1604 | Honeywell LP millivolt gas valve |
| | | 807-4160 | Valve, Honeywell 24V (Aust) |
| | | 807-4137 | Valve, Honeywell MV (Aust) |
| | | 826-1139 | GF14 Nat to LP conversion kit |
| | | 826-1140 | GF14 LP to Nat conversion kit |
| | | 826-1143 | GF40 Nat to LP conversion kit |
| | | 826-1144 | GF40 LP to Nat conversion kit |
| | ✓ | 826-1596 | 45/47 Series 24V ½" Robertshaw to Honeywell NAT Conversion Kit |
| | | 826-1597 | 45/47 Series 24V ½" Robertshaw to Honeywell PRO Conversion Kit |
| | | 826-1643 | CFE Series 24V ¾" Robertshaw to Honeywell NAT Conversion Kit |
| | | 826-1644 | CFE Series 24V ¾" Robertshaw to Honeywell PRO Conversion Kit |

**NOTE:** A gas valve capacitor (P/N 806-4781) is required on gas valves used on units with Thermostat Controllers.

# Decathlon

**Models:** 20, 50, 60, 80

The Decathlons are large tube fryers often used for bone-in chicken. Flame passes through tubes in the frypot, which transfer heat to the oil. Decathlon is indicated in the model name with a D: D50's, D60's and D65's are all models of the Decathlon family.

**Unique physical characteristics:**

- Burner tubes rest on a gas manifold at the front of the fryer, transferring heat to tubes in the frypot.

**Where used:**

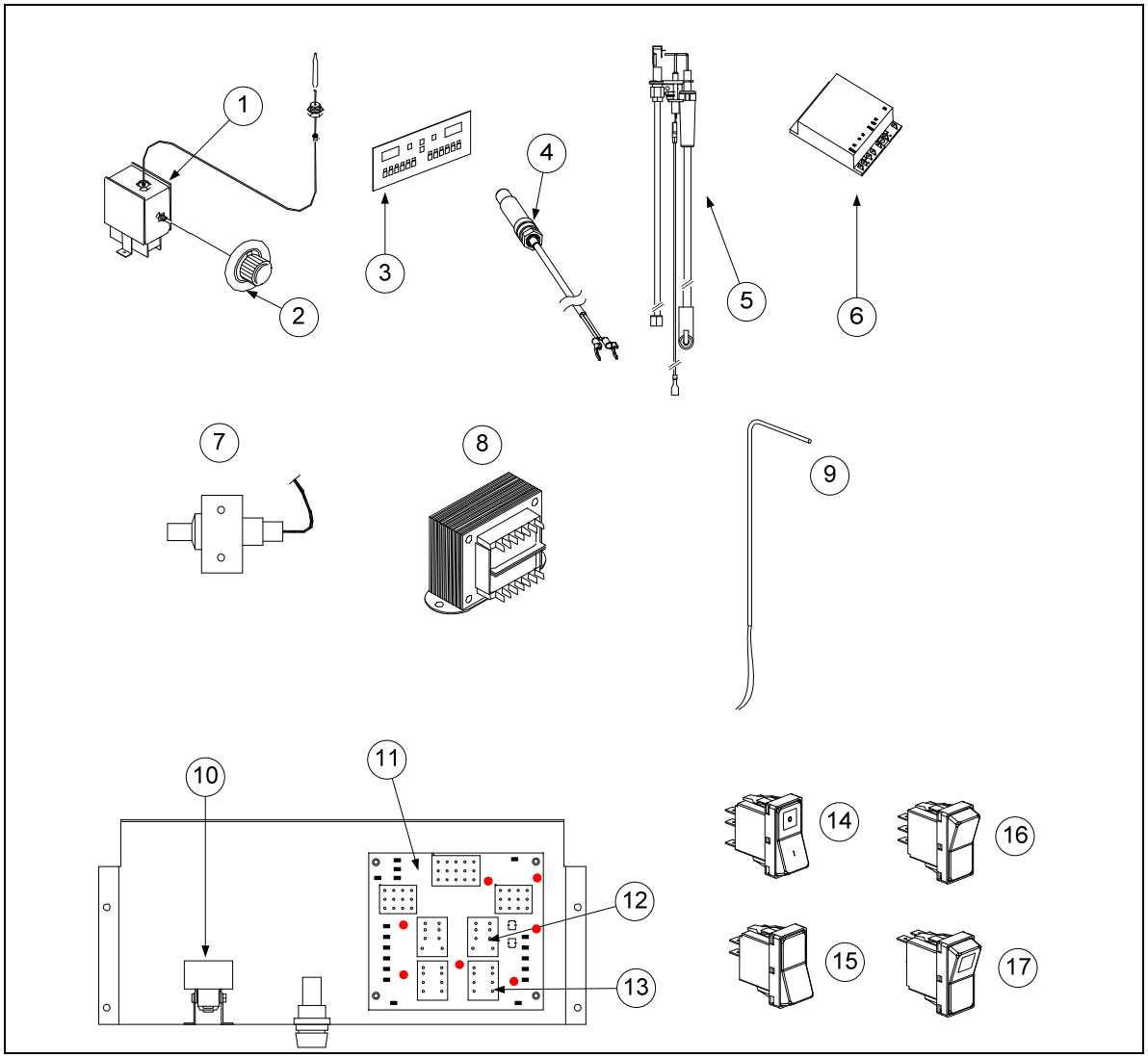
- The Decathlon is common in Chili's.

**Common Model numbers:**

- SCFHD250, SCFHD350, SCFHD460, HD160

# Decathlon

## Common Primary Components and Controllers




| # | Stock | Part # | Component |
|---|---|---|---|
| | | | **Computers/Controllers/Thermostats** |
| 1 | ✓ | 826-2013 | Thermostat, Sunne |
| 2 | ✓ | 810-2035 | Knob, Thermostat |
| 3 | | 826-2413 | Computer, Compu-Fry III.5 |
| * | | 826-2414 | Computer, Compu-Fry, Dual vat |
| * | | 806-8308 | Computer, CM4-S (FPD65) Popeye's |
| * | | 806-8305 | Computer, CM4-S |
| * | | 108-1015 | Computer, CM4-S, with HD Bezel |
| * | | 806-5139 | Computer, remote |
| * | | 106-6025 | Analog Controller, Boston Market |
| * | | 806-4803 | Cable Assembly, Compu-Fry to Interface Board |
| * | ✓ | 826-2269 | Potentiometer, Thermatron |
| * | ✓ | 810-0110 | Knob, Control, Thermatron |

* Not illustrated.

# Decathlon

| # | Stock | Part # | Component |
|---|---|---|---|
| | | | **Pilot Components** |
| 4 | ✓ | 807-3485 | Thermopile (24V gas valve) |
| * | | 812-1932 | Thermocouple (120V gas valve) |
| 5 | ✓ | 807-1311 | Pilot Assembly- Natural Gas- Electronic Ignition |
| * | | 108-1649SP | Pilot Assembly – Electronic Ignition |
| | | 108-1650SP | Pilot Assembly – NAT |
| * | | 108-1651 | Pilot Assembly- LP |
| | | | **Ignition Components** |
| 6 | ✓ | 826-2117 | Spark Module for Thermatron |
| * | ✓ | 807-3563 | Spark Module for Computer |
| | ✓ | 826-2117 | Honeywell Spark Module kit |
| * | ✓ | 807-1310 | Flame Sensor |
| * | | 807-1315 | Ignition Cable, D |
| * | | 106-7535 | Ignition Cable, HD |
| 7 | ✓ | 810-1001 | Piezo Ignitor (Trigger) |
| * | | 807-3540 | Electrode, Piezo |
| | | | **Transformers** |
| 8 | | 807-3551 | Honeywell 120/24 VAC, ignition |
| * | ✓ | 807-0855 | Transformer, 120/12 VAC |
| | ✓ | 807-4978 | V&F Dual 100/120-12/24V |
| * | ✓ | 807-0800 | 120/24 VAC |
| | ✓ | 807-0680 | Transformer Primary 208/240V |
| | | | **Probe Assemblies** |
| 9 | | 826-2423 | Probe Assembly (RTD), Temperature, Dean Computer |
| * | ✓ | 106-5419 | Probe Assembly, Temperature- Thermatron- **D20 & D50** |
| * | | 106-1976 | Probe Assembly, Temperature- **D60 & D80** (New Design) |
| | | 807-1314 | Probe FP-TCF |
| | | 106-1424 | Probe Assy, UD60/D80G |
| | | 106-5418 | Probe Assy, (GO) Sensor |
| | | | **High Limit** |
| 10 | ✓ | 807-3680 | High-Limit Thermostat- Manual Reset 450° F |
| | | | **Interface Boards** |
| 11 | ✓ | 826-2425 | Interface Board, Dean Computer Only. Manual pilot |
| * | ✓ | 826-2434 | Interface Board for Electronic Ignition |
| * | | 106-3729 | Thermatron Board- 24 VAC |
| * | ✓ | 826-2086 | Thermatron Board- 12/208-240 |
| * | | 826-2031 | Thermatron Board- 115/220V |
| | | | **Fuses/ Circuit Breaker** |
| * | | 807-3577 | Circuit Breaker, 7 amp |
| * | | 807-3592 | Fuse, 2 amp, Slo Blo |
| * | | 807-3750 | Fuse, 5 amp |
| * | | 807-3751 | Fuse, 5 amp with holder |
| * | | 826-1988 | Fuse, 5 amp assembly |
| | | | **Relays** |
| 12 | ✓ | 807-0834 | Relay, 12VDC 15A 1PDT (Basket lift) |
| 13 | ✓ | 807-0833 | Relay, 12VDC 5A 1PDT (Latching) |
| * | ✓ | 807-3611 | Relay, Filter Pump (Socket Installation Only) |
| * | | 807-4114 | Relay, Filter Pump (Surface Mount) |
| * | | 807-3640 | Relay, Boil Out |
| * | ✓ | 807-0012 | Relay 18 Amp 1/3 Hp 24v Coil |
| * | ✓ | 8071683 | Relay, 12VDC |
| * | | 8073922 | Relay, 12VDC(SPDT)16a Low/Prfl |

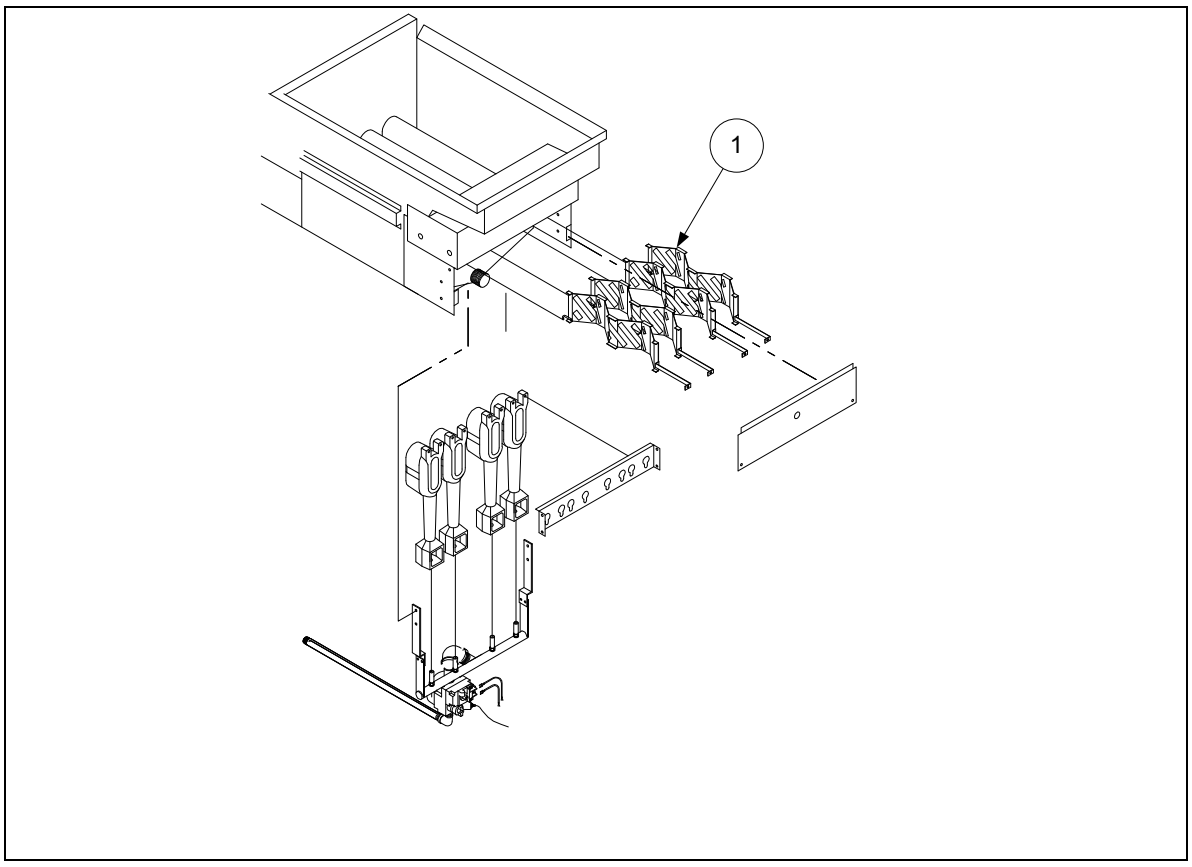
# Decathlon

| | | | |
|---|---|---|---|
| * | ✓ | 8073932 | Relay, 12VDC Spdt 12A (Sealed) |
| * | | 8074114 | Relay, 24VAC Coil |
| | | | **Switches** |
| * | ✓ | 807-2104 | Microswitch (with roller) |
| 14 | ✓ | 807-3574 | Switch, Power- Green Lens |
| 15 | ✓ | 807-3580 | Switch, Rocker- Manual Filter Power |
| 16 | ✓ | 807-3579 | Switch, Boil-Out- 6-Terminal |
| 17 | ✓ | 807-3576 | Switch, Fryer Reset (Momentary) |
| | | | **Gas Valves** |
| * | ✓ | 807-3552 | Gas Valve, Natural Gas, Electronic Ignition 24 VAC **D20-D50-D60-D80** |
| * | | 807-3628 | Gas Valve, LP Gas, Electronic Ignition 24 VAC **D20-D50-D60-D80** |
| * | | 810-2156 | Gas Valve, Natural Gas 120 VAC **D20-D50-D60-D80** |
| * | | 810-2323 | Gas Valve, LP Gas 120 VAC **D20-D50-D60-D80** |
| * | ✓ | 807-3294 | Gas Valve, manual pilot, NAT 24V **D20-D50-D60-D80** |
| * | | 807-3295 | Gas Valve, manual pilot, LP 24V **D20-D50-D60-D80** |
| | | | **Pilot Burners** |
| * | ✓ | 810-2158 | Pilot Burner- Natural Gas, **D20** |
| * | | 810-2526 | Pilot Burner- LP Gas, **D20** |
| * | ✓ | 810-2032 | Pilot Burner- Natural Gas, **D50-D60-D80** (Primary and Trailing) |
| * | ✓ | 810-2155 | Pilot Burner- LP Gas, **D50-D60-D80** (Primary and Trailing) |

* Not illustrated.

# Decathlon

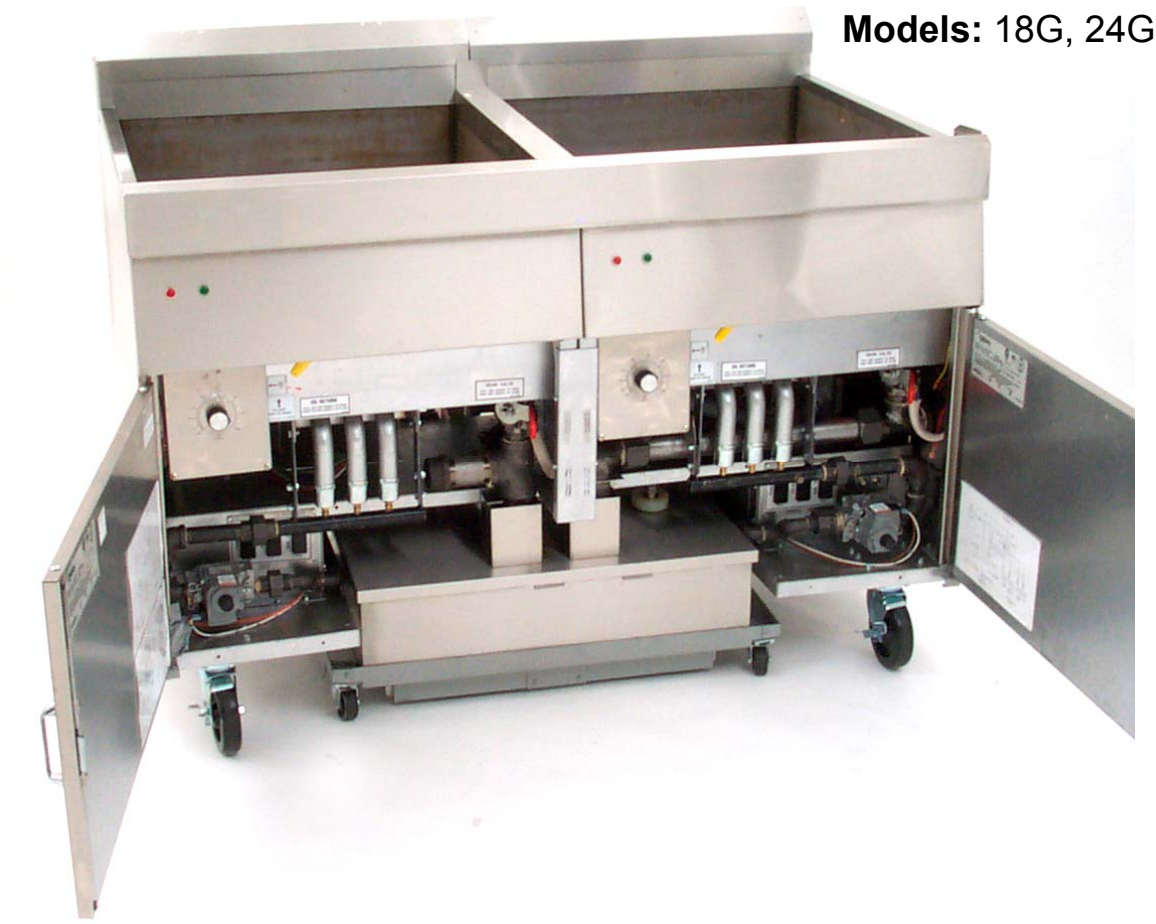
## Decathlon Frypot Components




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Diffusers** |
| | ✓ | 230-7709 | Diffuser Assembly **D20/D50** |
| | | 230-7711 | Diffuser Assembly **D60** |
| | | 210-5177 | Diffuser Assembly **D80** |
| | | 230-4900 | Diffuser Assembly **HD50** |
| | | 230-6888 | Diffuser Assembly **HD60** and **FPHD65** |

# Flatbottom

**Models:** 18G, 24G



Heated air is drawn across the bottom of the 24G frypot with a blower-driven draft system.

The 24G is a large flatbottom fryer with draft induction system, which draws heated air across the bottom of the fryer. Baffles welded to the pot impede the flow of the air and increase temperature transfer.

**Unique physical characteristic:**

- Rear draft system

**Where used:**

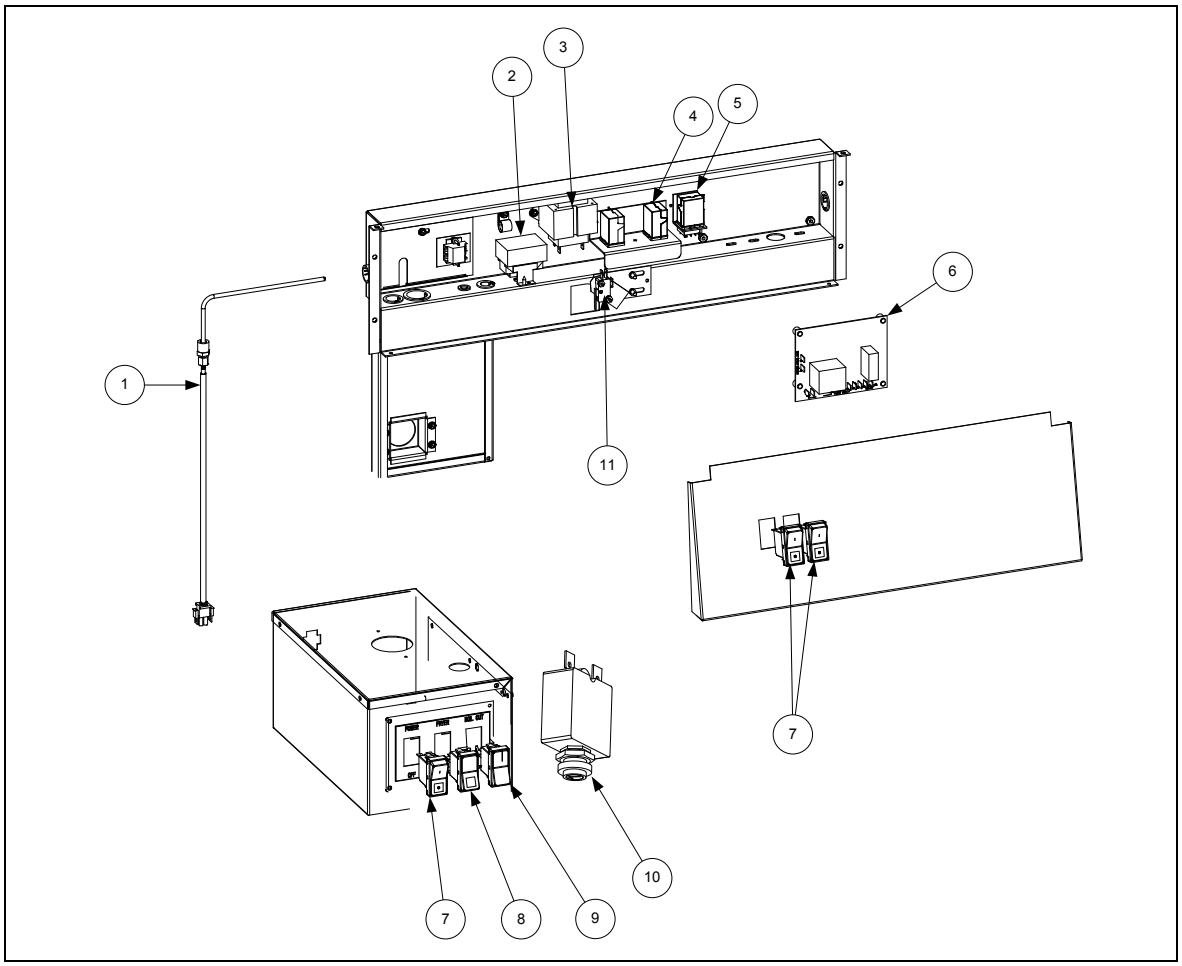
- KFC, LJS, Captain D's and other fish chains

**Common Model Numbers:**

- 1824G, 2424G, KSCF42424G

# Flatbottom

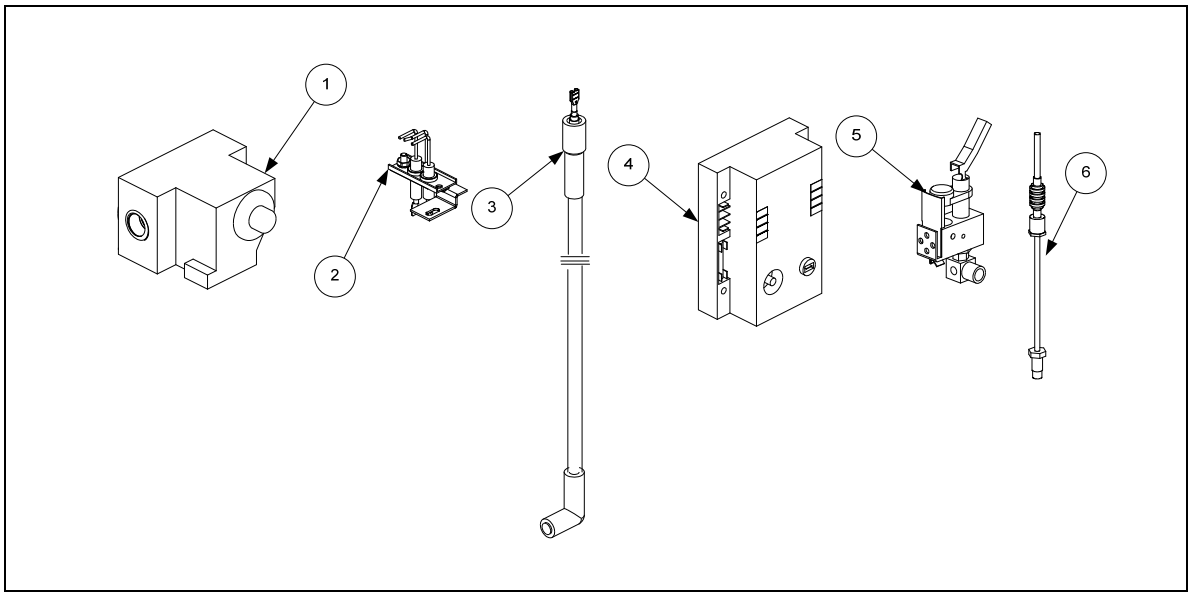
## Electrical Components




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 106-2607SP | Thermatron Probe, 20” wires |
| * | ✓ | 106-0882SP | Thermatron Probe, 62 1/2” wires, GO Sensor |
| 2 | ✓ | 807-3559 | High-Limit Thermostat, 435°F with manual reset |
| 3 | ✓ | 807-0800 | Transformer, 120V/24V 50/60Hz 50VA |
| 4 | | 807-3640 | Relay, 120V Coil (Right Relay) |
| 5 | ✓ | 807-3611 | Relay, 24VAC Coil (Latch or filter, plug-in style) |
| * | | 807-4114 | Relay, 24VAC (left relay) Latch or Filter, used after Sept. 04 |
| 6 | ✓ | 826-2086 | Thermatron Board, 115-230V |
| * | | 106-3729 | Thermatron Board, 24V |
| 7 | ✓ | 807-3574 | Switch, Power ON/OFF Rocker |
| 8 | ✓ | 807-3576 | Switch, Momentary Reset |
| 9 | ✓ | 807-3580 | Switch, Boil-Out |
| 10 | | 807-3577 | 7-amp Circuit Breaker |
| 11 | ✓ | 807-2103 | Oil-return Microswitch |
| * | ✓ | 106-1978 | Lamp Assembly, red 120V |
| * | | 106-4686 | Lamp Assembly, green 120V |
| * | | 106-4730 | Lamp Assembly, white 24V |
| * | | 106-4729 | Lamp Assembly, green, 24V |

* Not illustrated.

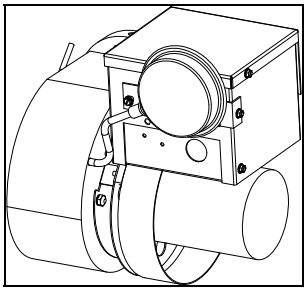
# Flatbottom




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Valve, Gas** |
| | ✓ | 807-3555 | 24V Natural (Electronic Ignition only) **Pre 2005 Model** |
| | | 807-3690 | 24V Propane LP (Electronic Ignition only) **Pre 2005 Model** |
| | | 810-2156 | 120V Natural (Standing Pilot) |
| | | 810-2323 | 120V Propane LP (Standing Pilot) |
| | | 807-3294 | Valve, 3.5" W/C Honeywell Nat Gas **Post 2005 Model** |
| | | 807-3295 | Valve, 8.25inch W.C. Honeywell Pro **Post 2005 Model** |
| | | 807-2091 | Valve, CE, Honeywell 45 24V NAT GAS |
| | | 807-2127 | Valve, CE, Honeywell, Propane |
| | | | **Electronic Ignition Components** |
| 2 | ✓ | 807-3556 | Igniter and Flame Sensor Assembly (Can use 106-1983SP) |
| 3 | | 106-1644SP | Ignition Cable, 21” with Rajah connector; use with 106-1645SP sense wire |
| * | | 106-3338SP | Ignition Cable, 36”, use with sense wire W5C518 |
| 4 | ✓ | 807-0918 | Module, Ignition (11-second spark module) |
| | ✓ | 807-3365 | Module, Ignition, **Post 2005 Models** |
| * | | 807-3551 | Transformer, Electronic Ignition **Pre 2005 model** |
| * | | 807-5129 | Transformer, V/F Dual Voltage |
| * | | 807-4978 | XFMR V&F Dual 100/120-12/24V |
| * | ✓ | 807-0800 | Transformer, 120/24V 50/60Hz 50VA **Pre 2005 Model** |
| | | | **Pilot Ignition Components** |
| 5 | | | Pilot Burner |
| | | 810-2403 | Natural Gas Orifice |
| | | 810-2400 | Propane (LP) Gas Orifice |
| | ✓ | 807-3485 | Thermopile Generator |
| 6 | | 807-3550 | Thermocouple, 120V |

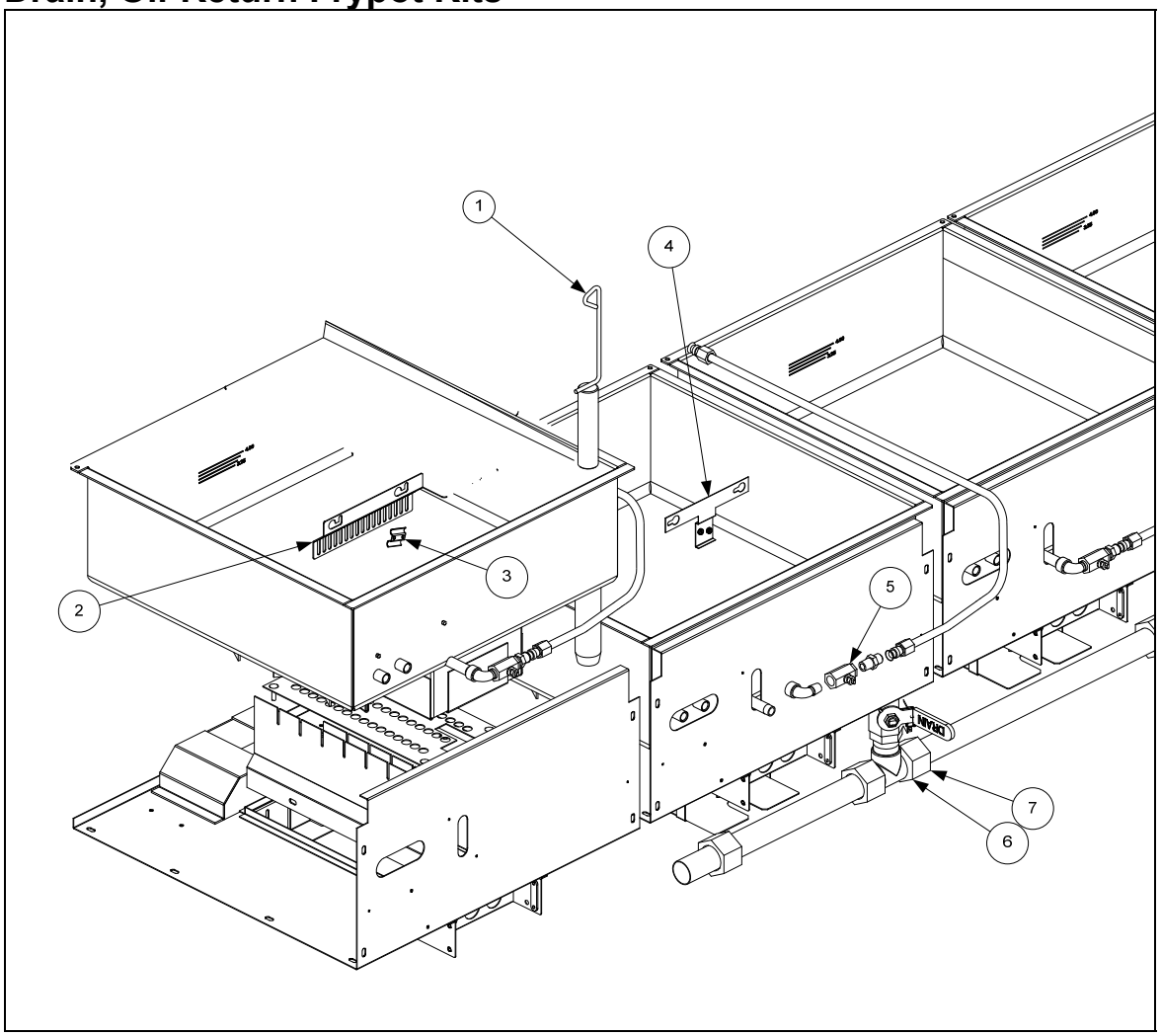
# Flatbottom

## Blower Assembly, Combustion Air



| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | Motor, Blower Assembly |
| | ✓ | 108-0471SP | Blower, 120V with pressure switch |
| | | 108-0470SP | Blower, 230V with pressure switch |
| * | | 807-3746 | Switch, Sail (Air-Prover Switch for earlier style blower) |

## Drain, Oil-Return Frypot Kits



# Flatbottom

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 823-3174 | Drain Plug, frypot |
| 2 | ✓ | 200-4725 | Guard, probe and high-limit |
| 3 | | 210-1433 | Clamp, probe and high limit bulb |
| 4 | | 823-4548 | Retainer, probe |
| 5 | | 810-2125 | Oil return valve, 3/8” |
| 6 | | 809-0884 | Nut, slip joining |
| 7 | | 816-0544PK | O-ring , 2 required per slip joint nut (package of 5) |
| * | ✓ | 826-1821 | Frypot Kit, 2424G (Front Drain, Front Return) |
| * | | 826-1820 | Frypot Kit, 2424G (Front Drain, w/o Filtration) |
| * | | 826-1842 | Frypot Kit, 2424G (Rear Drain, Front Return) |
| * | | 826-1823 | Frypot Kit, 1824G (Front Drain, Front Return) |
| * | | 826-1822 | Frypot Kit1824G (Front Drain, w/o Filtration) |
| * | | 826-1828 | Frypot Kit, 1824G (Rear Drain, Front Return) |

# Dean Millivolt

**Models: SR** 38, 42, 52, 62;
**SM** 20, 35, 50, 60, 80

The SR and SM-series of Dean fryers are millivolt-powered units.

**Unique Physical Characteristics:**

- A no-frills millivolt fryer.

**Where used:**

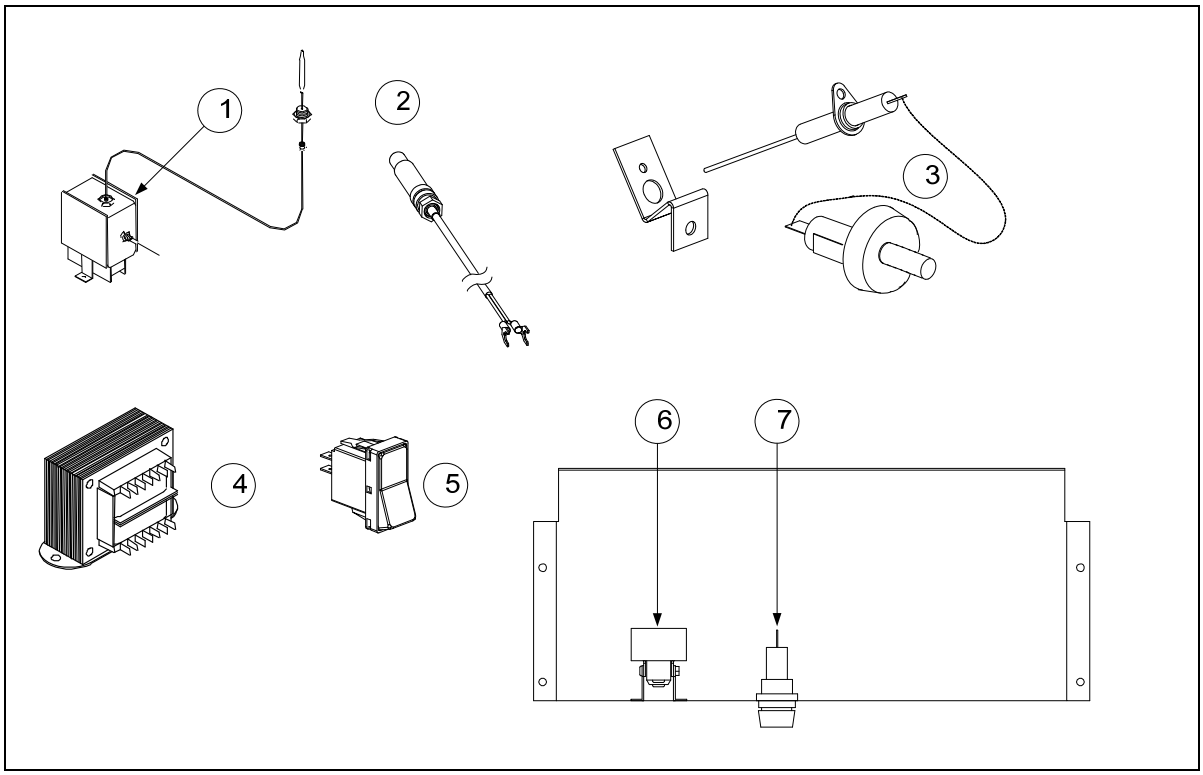
- IHOP uses SM fryers with filtration, small restaurants, bars, catering vehicles use the SR series.

**Common Model Numbers:**

SR42, SR52, SR62, SM250, SM150, SCFSM250

# Dean Millivolt

## Component Box Components and Related Components

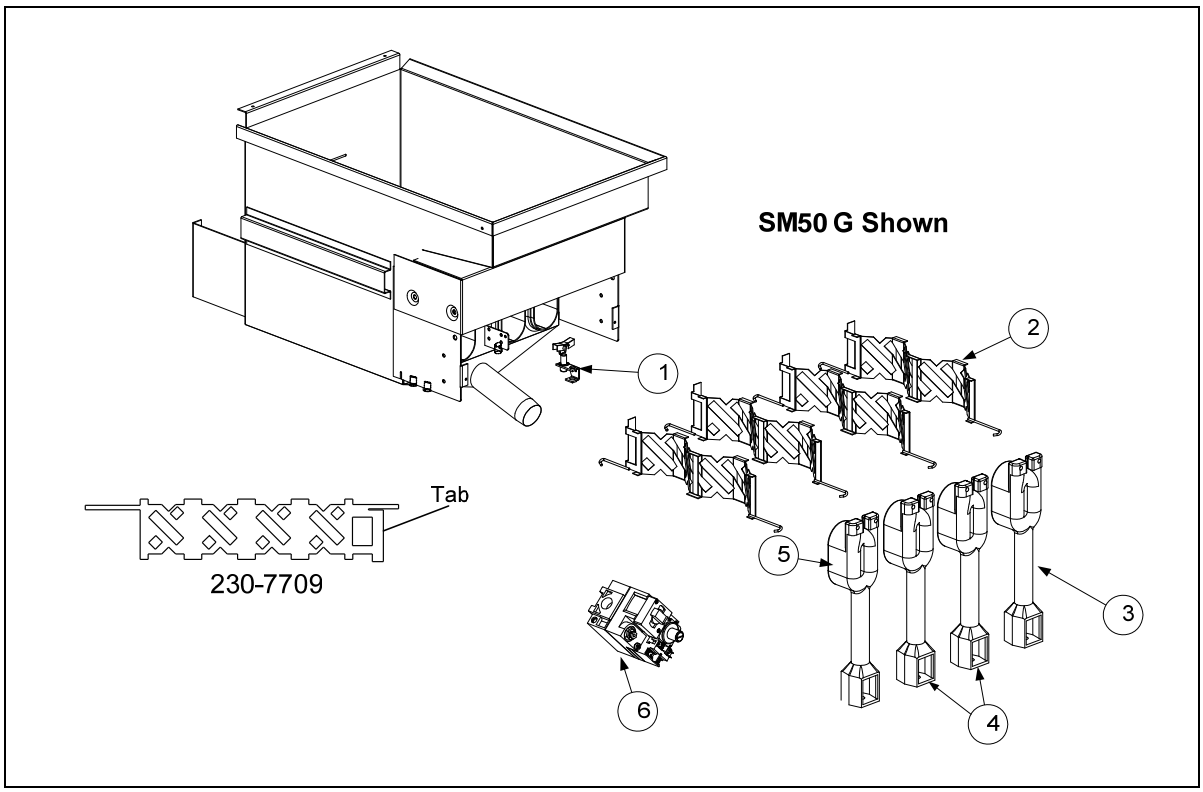



| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 826-2013 | Thermostat, Sunne |
| 2 | ✓ | 807-3485 | Thermopile |
| 3 | ✓ | 810-1001 | Piezo Ignitor (Trigger) (*Wire Lead-807-3650) (Assembly-44970SP)* |
| 4 | ✓ | 807-0800 | Transformer, 120/24 VAC- Filtration System |
| 5 | ✓ | 807-3580 | Switch, Rocker- Manual Filter Power |
| 6 | ✓ | 807-3516 | High-Limit Thermostat- Automatic Reset 435° F SM20/35,SR40/42 |
| * | ✓ | 807-3680 | High-Limit Thermostat- Manual Reset 450° F SR52/62 |
| 7 | ✓ | 807-1321 | Fuse Holder, Buss |
| * | | 807-3750 | Fuse 5A (120V Systems) |
| * | ✓ | 826-1392 | O-Rings (Pkg. of 5) |
| * | | 807-4114 | Relay, Filter 24A DPDT (Surface Mount) |
| * | ✓ | 807-2103 | Microswitch, Straight Lever |
| * | | 810-2035 | Knob, Thermostat, KXD/Centigrade |
| * | ✓ | 816-0139 | Knob, Celsius/Fahrenheit (CE) |

* Not illustrated.

# Dean Millivolt

## Frypots and Related Components




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | | **Pilot Assemblies** |
| | ✓ | 810-2032 | Burner, Nat MV Pilot (SR42/52/62/SM50/60/80) |
| | ✓ | 810-2155 | Burner, LP MV Pilot (SR42/52/62/SM50/60/80) |
| | | 106-4969 | Pilot Assembly Nat with electrode Australian |
| | | 106-5210 | Pilot Assembly LP with electrode Australian |
| | | 1067605 | Pilot Assy Nat Miilivolt CE |
| | | 1067606 | Pilot Assy LP Millivolt CE |
| | | 812-1897 | Pilot, Electrode, SM50/60/80 |
| | ✓ | 807-3485 | Thermopile, generator with adapter |
| | ✓ | 812-1284 | Thermocouple CE |
| | | 810-3442 | Thermocouple (SR42 Australian) |
| | ✓ | 810-2158 | Pilot Burner Nat (SM20) |
| | | 810-2526 | Pilot Burner LP (SM20) |
| 2 | | | **Diffusers** |
| | ✓ | 230-7709 | Diffuser, Burner Tube- **SM80G** |
| | | 230-7711 | Diffuser, Burner Tube- **SM60G, SR62G** |
| | ✓ | 230-7709 | Diffuser, Burner Tube- **SR52G, SM/D50, SM/D20** |
| | | 200-1129 | Diffuser, Burner Tube- **SR38G, SR42G, SM35G, SM40G** |
| | | | **Burners** |
| 3 | | 810-2150 | Burner, Right- **SM60G, SM80G, SR62G, SM20, SR52G, SM50G** |
| 3 | | 810-2039 | Burner, Right- **SR38G, SR42G, SM35G, SM40G** |

# Dean Millivolt

| | | | |
|---|---|---|---|
| 4 | | 810-2149 | Burner, Center- **SM60G, SM80G, SR62G, SR52G, SM50G** |
| 4 | | 810-2038 | Burner, Center- **SR38G, SR42G, SM35G, SM40G** |
| 5 | | 810-2151 | Burner, Left- **SM60G, SM80G, SR62G, SM20G, SR52G, SM50G** |
| 5 | | 810-2037 | Burner, Left- **SR38G, SR42G, SM35G, SM40G** |
| 6 | | | **Valves** |
| * | ✓ | 807-1603 | Valve, Gas- Natural, Honeywell (SR42/52/62N--SMC120N/SMC240N/SM150) |
| * | ✓ | 807-1604 | Valve, Hnywll Pro Millivolt Gas (Non CE Export SR162P--SR142P/SR152P--SMC160P/SMC240P) |
| * | | 807-2121 | Gas Valve Honeywell, Millivolt, CE SR42 |
| * | | 807-2122 | Valve,Hnywll Millivolt Nat Gas, CE SR42 |
| * | | 807-3553 | Valve Gas,Mv,Pro 3/4 Inlet, SR52 |
| * | | 807-4137 | Valve, Honeywell MV (Aust), SR62 |

* Not illustrated.

810-2158 Pilot Burner, Natural/G20/25 Gas
* 810-2526 Pilot Burner, LP/G31 Gas
* 809-0766 Nut, Keps 10-32 SS Hex
* 809-0845 Screw, 10-32 x ⅜" Hex Slotted Head

| | | | |
|---|---|---|---|
| | | | Valves and Valve Kits for Fryers Manufactured Prior to 8/2006 |
| * | | 807-3648 | Valve, Gas- Natural, Honeywell- ¾" in x ¾" |
| * | ✓ | *826-2267* | *Valve, gas, nat. Honeywell, 1/2" x 3/4"* |
| * | | *826-2268* | *Valve, gas, LP, Honeywell,* **,** |
| * | | 807-3553 | Valve, gas, LP, Honeywell, 3/4" x 3/4 |
| * | | | **Conversion Kits** |
| * | ✓ | 826-1817 | Natural to LP, **SR42 (with Honeywell valve)** |
| * | | 826-2017 | LP to Natural, **SR42 (with Honeywell valve)** |
| * | | 826-2018 | Natural to LP, **SR52/SM50 (with Honeywell valve)** |
| * | | 826-2019 | LP to Natural, **SR52/SM50 (with Honeywell valve)** |
| * | | 826-2020 | Natural to LP, **SR62/SM60 (with Honeywell valve)** |
| * | | 826-2021 | LP to Natural, **SR62/SM60 (with Honeywell valve)** |
| * | | 807-1846 | Valve Kit, Nat to Pro, **SR 52,62, SM35, SM40, SM50** |

# Pro Electric/RE

**Models: Pro Electric**, FPPH, FMPH, **McD Pro Electric**, BIPH; **RE**, FPRE, **McD RE**, BIRE

**Pro Electric**

**RE**

The Pro Electric fryer, which introduced a new filter pan and a large drain manifold among other design changes, was followed by the RE, which introduced a unique rotating element. The units share many common electrical components.

The RE fryer has a recessed tubular mounting point for the elements which rotates. This is the most obvious difference between the RE and the Pro Electric.

**Unique physical characteristics:**
Pro Electric — 3-inch drain manifold, filter pan redesign
RE — Recessed rotating element mounting mechanism, repositioned and redesigned contactor boxes

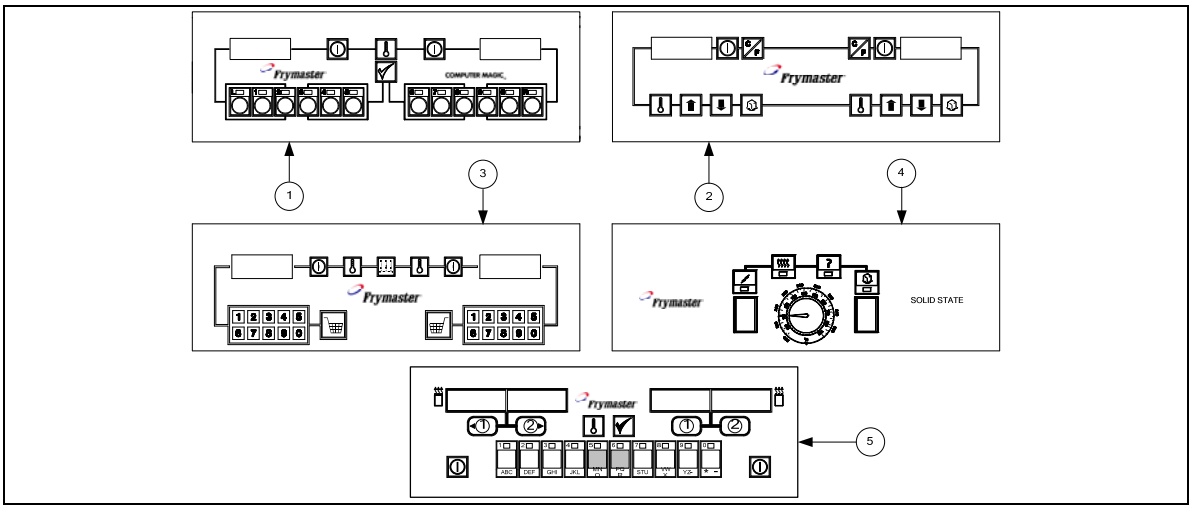
**Where used:**
All major chains

**Common Model numbers:**

- **Pro Electric** — FPPH214, FPPH217, FMPH214; **McDonald's**: BIPH214, BIPH314
- **RE** — FPRE317, FPRE 217, FPRE214; **McDonald's**: BIRE314, BIRE414, BIRE214

# Pro Electric/RE

## Controllers

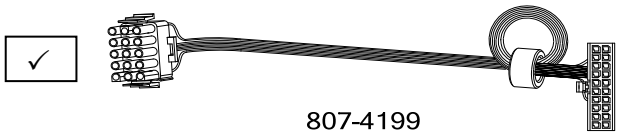



| # | Stock | | Standard | Euro-look | Component |
|---|---|---|---|---|---|
| 1 | | | | | **Computer Magic III.5** |
| | ✓ | ✓ | 826-2333 | 826-2332 | Full-Vat |
| | | | 826-2334 | 826-2405 | Dual-Vat |
| | | | | 826-2395 | Full-Vat CE |
| | | | 826-2396 | | Dual-Vat CE |
| | | | 826-2335 | 826-2397 | Full-Vat (Triac/Solid State) |
| | | | 826-2336 | 826-2398 | Dual-Vat (Triac/Solid State) |
| 2 | | | | | **Digital Controller** |
| | | | 826-2303 | 826-2329 | Full-Vat |
| | | | 826-2362 | 826-2476 | Dual-Vat |
| | | | | 826-2399 | Full-Vat CE |
| | | | 826-2400 | | Dual-Vat CE |
| 3 | | | | | **Basket Lift Timer** |
| | | | 826-2317 | 826-2401 | Full-Vat |
| | | | 826-2374 | 826-2402 | Dual-Vat |
| | | | 826-2330 | | Full-Vat CE |
| | | | 826-2331 | | Dual-Vat CE |
| 4 | | | | | **Solid-State (Analog) Controller** |
| | ✓ | | 806-7422 | 106-7987 | Full-Vat |
| | | | 806-7423 | 106-4334 | Dual-Vat |
| | ✓ | | 810-0387 | 810-0387 | Knob |
| 5 | | | | | **McDonald's Replacement Controllers (No bezel)** |
| | ✓ | ✓ | 826-2346 | 826-2343 | M2000 |
| * | | | | | **Kits** |
| | ✓ | | 826-2609 | | Used with 826-2346 to convert from M100 |
| | ✓ | ✓ | 826-2458 | 826-2458 | M2000 Speaker kit, electric or gas |

## Interface Board to Controller Wiring Harness – 15-Pin

| | |
|---|---|
| ✓ | 806-2071SP |

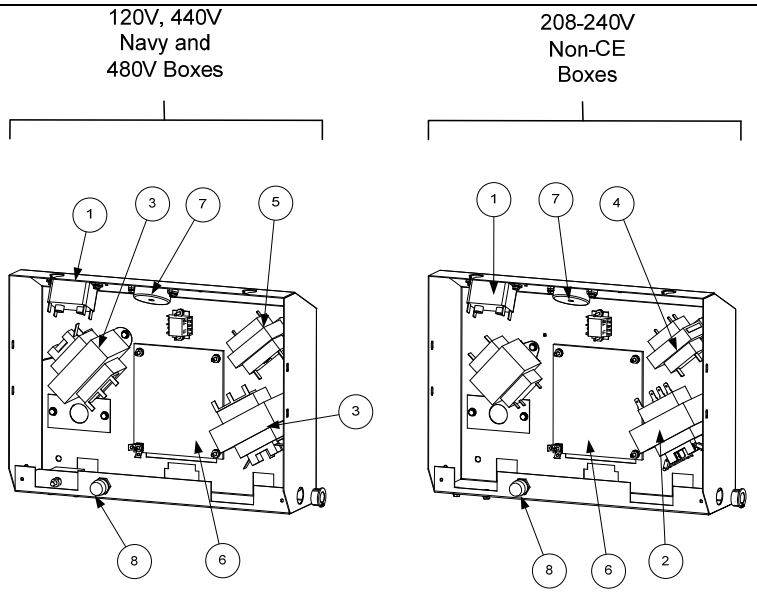
# Pro Electric/RE



807-4199

For SMT computer

## Component Boxes



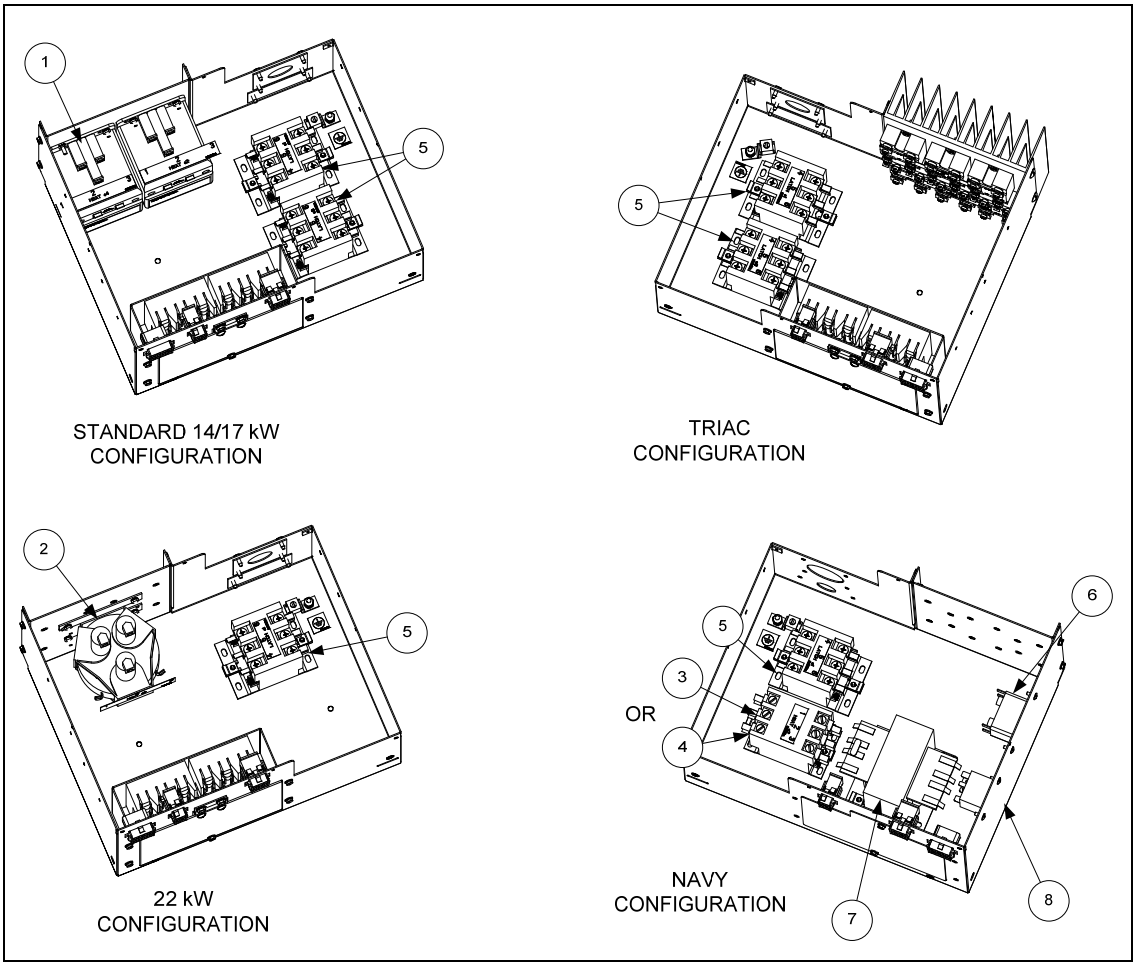

**NOTE:** The transformer on the left side of the component box is present only in units with built-in filtration and then only in the left component box.

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 807-0012 | Relay, 18 Amp ⅓ HP 24V Coil |
| 2 | ✓ | 807-2180 | Transformer, 208-240V 50VA |
| 3 | | 807-2181 | Transformer, 100-120V/24V 60VA |
| 4 | ✓ | 807-0680 | Transformer, 208-240V/24V 20VA |
| 5 | ✓ | 807-0855 | Transformer, 100-120V/12V 20VA |
| * | ✓ | 807-0979 | Transformer, 208-240V/12V 43VA |
| * | | 807-4968 | Transformer, 208-250V 75VA 24V |
| * | | 812-2126 | Transformer, 208-250V 24V W/O FUSE |
| 6 | | | **Pro Series Interface Board** |
| * | ✓ | 826-2256 | Standard (Non-Triac), Full- or Dual-Vat |
| * | ✓ | 826-2257 | Triac, Full- or Dual-Vat |
| * | | 826-2258 | Fast Computer, Full- or Dual-Vat |
| 6 | | | **RE Interface Boards** |
| | ✓ | 826-2260 | Standard, Full or Dual Vat |
| * | | 826-2261 | EPRI |
| * | | 106-6501 | Fallback Controller Assembly |
| * | ✓ | 807-3932 | Relay, Heat and Latch 12 VDC SPDT 12A |
| 7 | | 806-7179SP | Sound Device |
| * | ✓ | 826-2458 | Speaker, McDonald's |
| 8 | | 807-0069 | Circuit Breaker, 10 Amp |
| * | | | **24 Volt Transformers Used in Common Electric Units** |
| * | | 807-2192 | 100-120V/12V |
| * | ✓ | 807-0680 | 208/240V/24V (no fuse) |
| * | ✓ | 807-0800 | 120V 50VA/24V (no wires) |

| | | | |
|---|---|---|---|
| * | | 807-5129 | 208/220/230/240V 20/50 VA 12/24 |
| * | | 807-4036 | Switch (used on RE control box) |
| * | | 826-2249 | RE Hood/Ansul Interlock Kit (includes terminal block, wires, connectors |

* Not illustrated.

## Contactor Boxes




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 807-1071 | Contactor, 24V 30 Amp Mercury |
| 2 | ✓ | 807-0884 | Contactor, 24V 50 Amp Mercury |
| 3 | ✓ | 807-2284 | Contactor, 24V 50 Amp Mechanical |
| 4 | | 807-2283 | Contactor, 24V 63 Amp Mechanical ***(only in 22kW Navy units)*** |
| 5 | ✓ | 810-1202 | Contactor, 24V 40 Amp 3-Pole |
| 6 | ✓ | 807-0012 | Relay, 18 Amp ⅓ HP 24V Coil |
| 7 | | 807-0064 | Transformer, 480V/120V 150VA |
| 8 | | 807-1683 | Relay, 12VDC |
| ** | ✓ | 826-1562 | Relay, Solid State 40 Amp 280V |
| * | | 807-0331 | 250V transformer |

* Not illustrated.

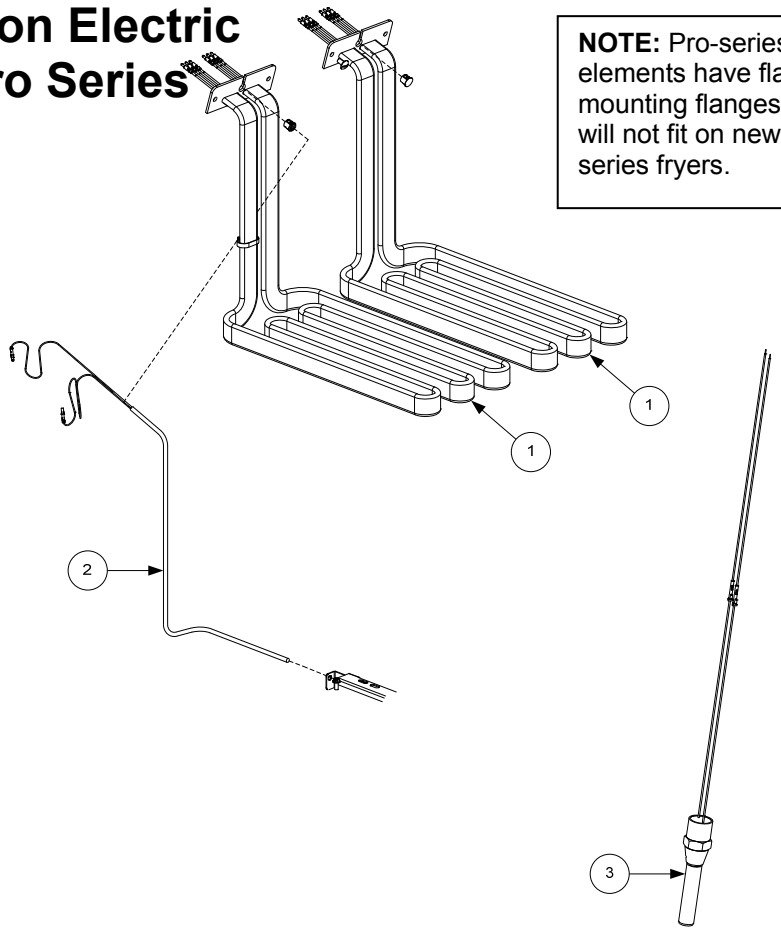
** Dual-vat Assembly has six relays (826-1562); full-vat Assembly has three relays.

# Pro Electric/RE

## Heating Element Assemblies and Associated Parts

**Common Electric And Pro Series**

**NOTE:** Pro-series elements have flat mounting flanges and will not fit on newer RE-series fryers.




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Element** |
| | ✓ | 826-2149 | 208V 7.0 kW |
| | ✓ | 826-2150 | 208V 8.5 kW |
| | | 826-2172 | 208V 11.0 kW |
| | | 826-2154 | 240V 7.0 kW |
| | | 826-2152 | 230V 7.0 kW |
| | | 826-2153 | 230V 8.5kW |
| | | 826-2165 | 230V 11kW |
| | | 826-2155 | 240V 8.5 kW |
| | | 826-2166 | 240V 11.0 kW |
| | | 826-2160 | 440V 8.5 kW |
| | | 826-2169 | 440V 11.0 kW |
| | | 826-2161 | 480V 7.0 kW |
| | | 826-2162 | 480V 8.5 kW |
| | | 826-2170 | 480V 11.0 kW |
| 2 | ✓ | 826-1526 | Probe, Temperature |
| 3 | | | **Hi-limit** |
| | ✓ | 826-1177 | Full Vat 425°F (218°C) (Color-coded, black) |
| | ✓ | 826-2456 | Dual Vat 435°F (224°C) (Color-coded, red) |
| | | 826-2455 | CE 415°F (212°C) (Color-coded, yellow) |

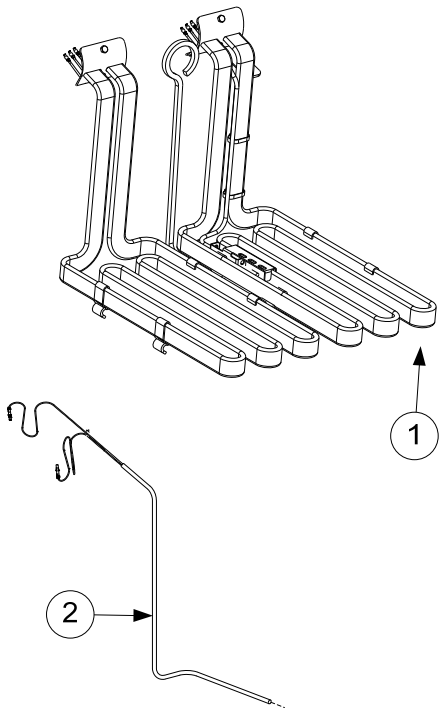
# Pro Electric/RE

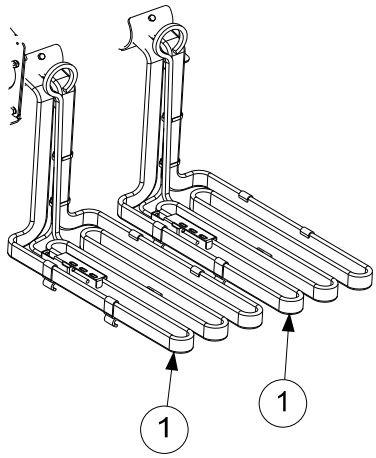
## RE Heating Element Assemblies and Associated Parts

FULL-VAT ELEMENT ASSEMBLY

DUAL-VAT ELEMENT ASSEMBLY

**RE Series**




**NOTE:** RE-series elements have a curved mounting flange and will not fit on earlier Pro-series models.

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | Element Kits – *includes gaskets, grommets, tie wraps, screws and nuts.* |
| | ✓ | 826-2192 | 208V 7.0 kW |
| | | 826-2197 | 208V 8.5 kW |
| | | 826-2210 | 208V 11.0 kW |
| | | 826-2194 | 240V 7.0 kW |
| | | 826-2193 | 230V 7.0 kW |
| | | 826-2199 | 230V 8.5kW |
| | | 826-2206 | 230V 11kW |
| | | 826-2207 | 240V 11.0 kW |
| | | 826-2195 | 440V 7.0 kW |
| | | 826-2202 | 440V 8.5 kW |
| | | 826-2211 | 440V 11.0 kW |
| | | 826-2196 | 480V 7.0 kW |
| | | 826-2203 | 480V 8.5 kW |
| | | 826-2209 | 480V 11.0 kW |
| | | | **Probes** |
| 2 | ✓ | 826-2212 | Probe, Temperature RE – *includes tie wraps and grommet.* |
| | | 807-4324 | Probe, Temperature Fast Ready |
| * | | | **Hi Limit** |
| | ✓ | 826-1177 | Full Vat 425°F (218°C) (Color Coded Black) |
| | ✓ | 826-2456 | Dual Vat 435°F (224°C) (Color Coded Red) |
| | | 826-2455 | CE 415°F (212°C) (Color-coded, yellow) |

* Not Illustrated.

# 2836

**Models:** FPC 128/136, FPC 128/236, FPC 228

The 2836 is a large electric fryer used principally in Wal-Mart kitchens to prepare chicken in large quantities. The original design used a round-bar element and had float switches; later units have flat-bar elements and no float switch.

The earlier 2836 units have round heating elements and a covered float switch, which is visible in the left corner above.

**Unique Physical Characteristics:**

- The unit is big. Wal-Mart cooks 100 pieces of chicken at a time in the 36Kw frypot. The amp draw demands special wiring for the store. The unit is also sold in a two 28Kw frypot configuration.

**Where Used:**

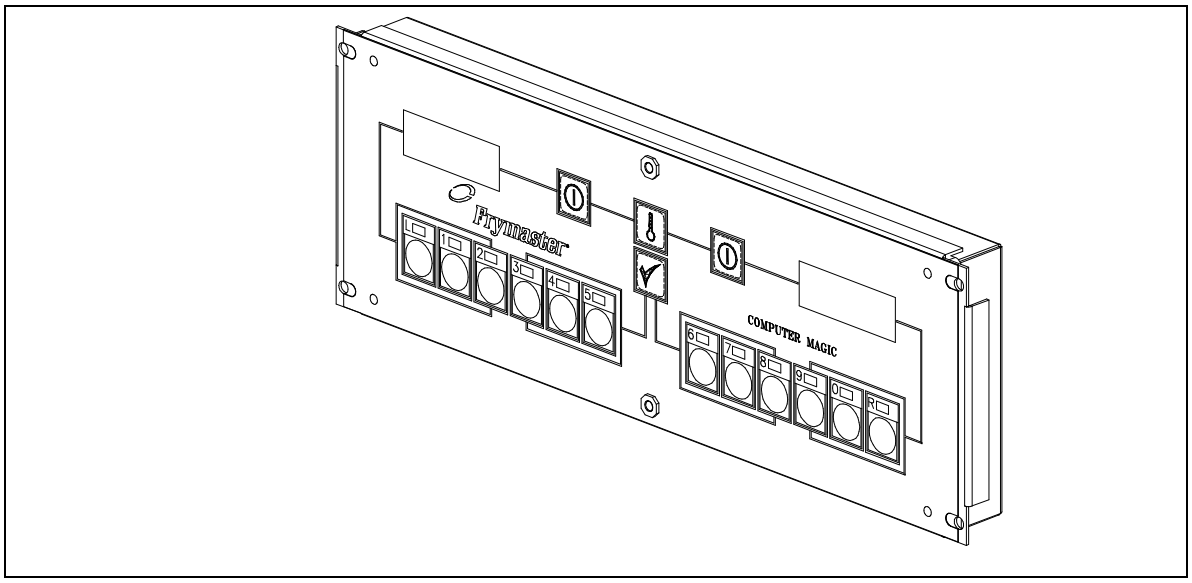
- Wal-Mart, however, it is not marketed exclusively to Wal-Mart.

**Common Model Number**s:

- FP128/236, FP228

# 2836

## Computer and Related Components

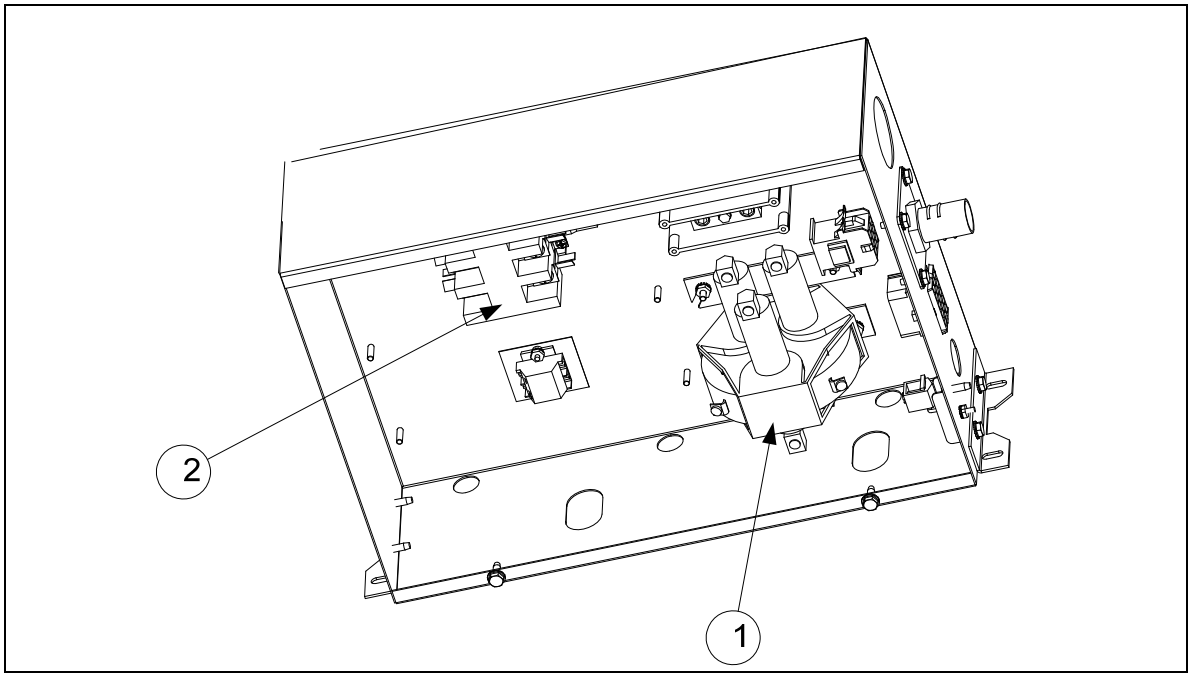



| # | Stock | Part Number | Description |
|---|---|---|---|
| 1 | | 826-2389 | Computer, Standard CM3.5 , no bezel |
| * | | 106-7177 | Computer, FP28SV/SPR with Bezel SMT |

*Not Illustrated

# 2836

## Contactor and Power Cord Box Assembly

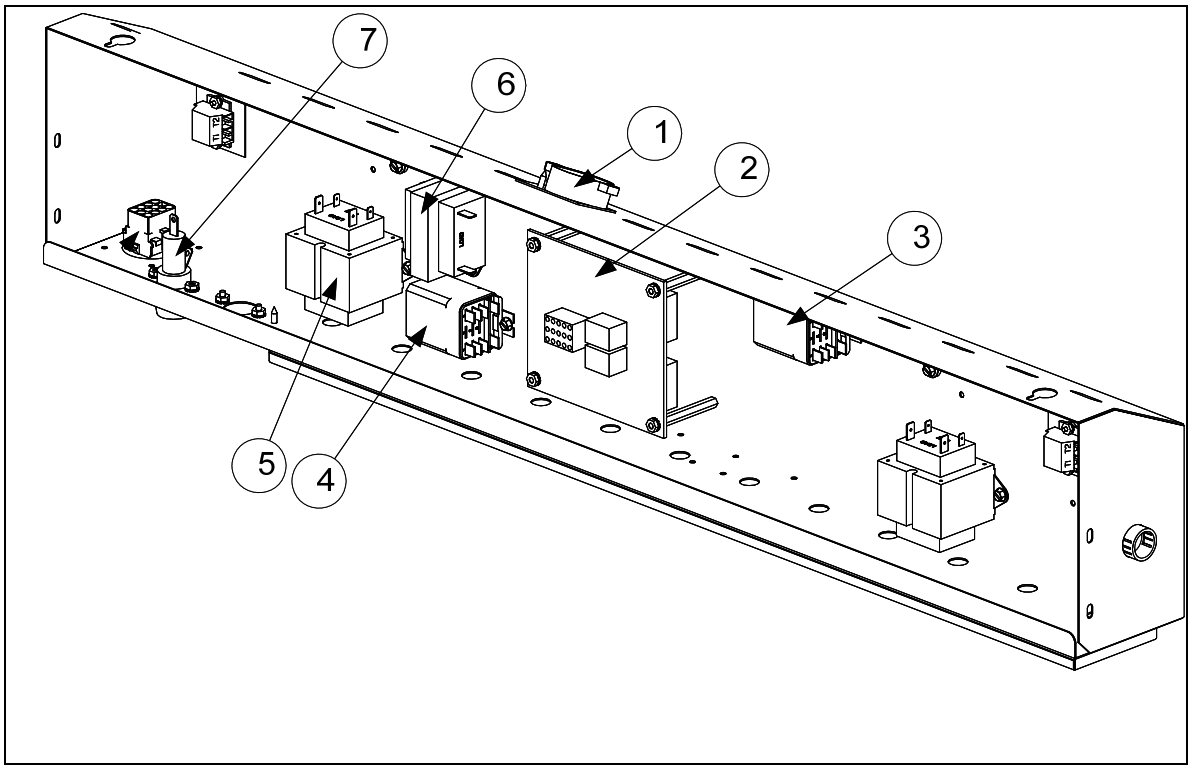



| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | ✓ | 807-0884 | Contactor Mercury 240V 50A |
| 2 | ✓ | 810-1202 | Contactor, 40 Amp 3 Pole |
| * | ✓ | 807-2284 | Contactor, 50 Amp Mechanical, 24V Coil (28Kw fryer) |
| * | ✓ | 807-4017 | Fuse, 50-amp 480V, 300VDC |

*Not Illustrated

# 2836

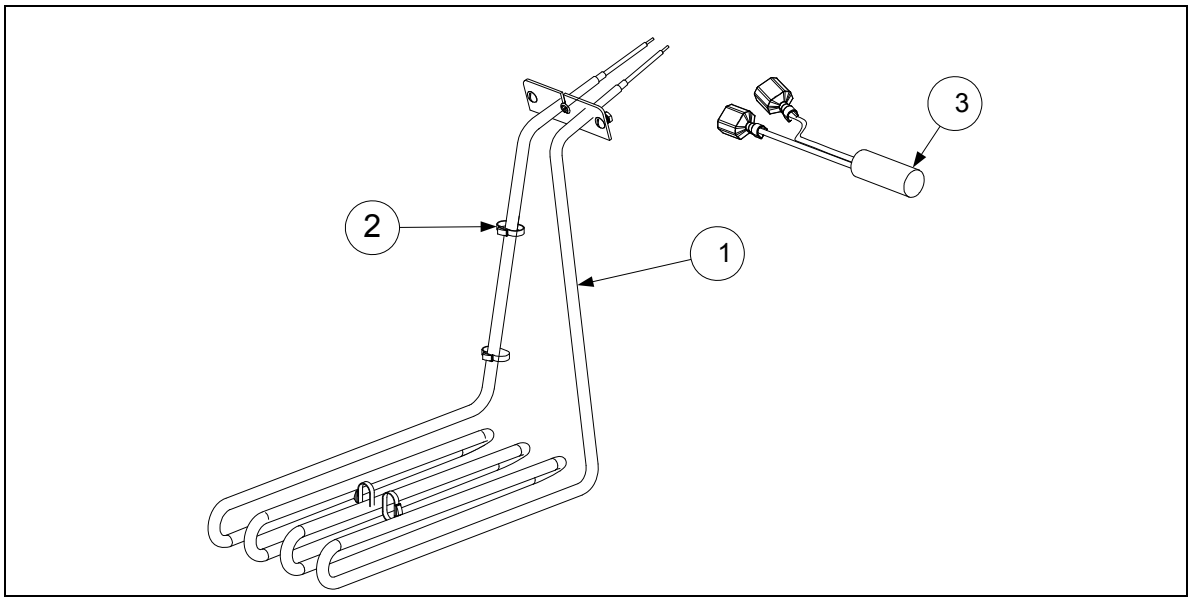
## Component Box Assembly




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | ✓ | 806-3660 | Sound Device, High Output |
| * | ✓ | 810-3141 | Sound Device, SMT Universal |
| 2 | ✓ | 826-2256 | PCB Assembly, Interface (FV) Common Elect |
| 3 | ✓ | 807-0012 | Relay 18 Amp 1/3 Hp 24V Coil (On LT Only) |
| 4 | ✓ | 807-0670 | Relay, Midtex DPDT 24V |
| 5 | ✓ | 807-0800 | Transformer 120 50/60-24V 50VA |
| 6 | ✓ | 807-0855 | Transformer 120 50/60-12V 20VA |
| * | | 807-2181 | Transformer 100-120 24V 62VA with fuse (for 128 Split Vat) |
| 7 | ✓ | 807-2278 | Fuse, 20 Amp |
| * | ✓ | 807-0979 | Transformer ,208/240V 12V SECND |
| * | | 108-1996 | Transformer, 24V 75VA FP14 |
| * | ✓ | 807-2180 | Transformer, 208-240V/24V 50VA |
| * | | 807-4933 | Transformer, 24V 75VA DOMESTIC |
| * | ✓ | 826-2456 | Hi-limit |
| * Not Illustrated | | | |

# 2836

## Elements (round) and related components for float-switch model

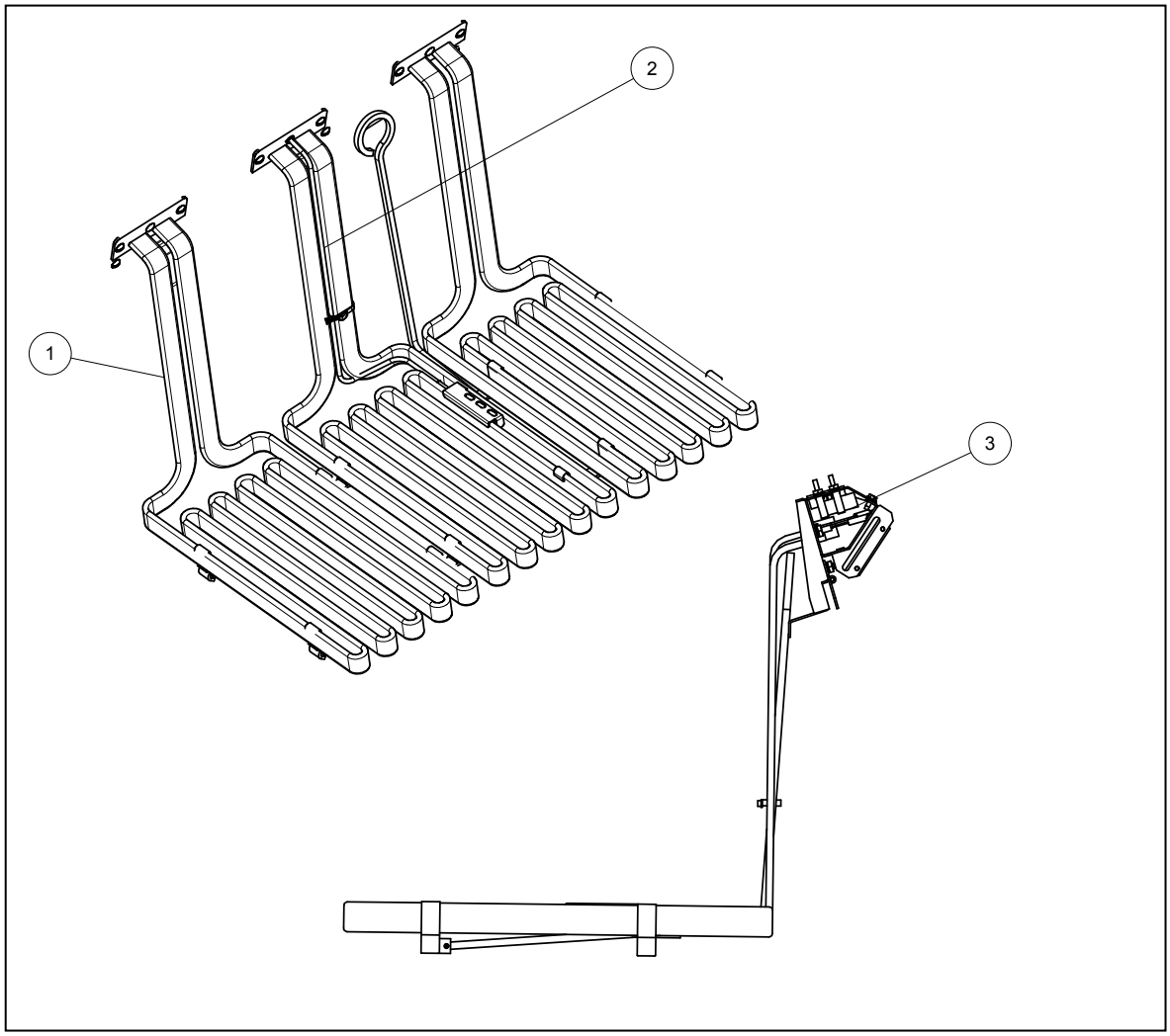



| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | 807-4009 | Element, FP28 480V 9.533 kW |
| * | | 807-4011 | Element, FP36S 11.9 kW |
| * | ✓ | 810-0297 | Element Spring, FP28 |
| * | | 810-1546 | Element Spring, FP 36 |
| 2 | ✓ | 809-0567 | Tie Wrap, Metal |
| 3 | | 806-6849SP | Switch, Tilt Safety |
| * | | 826-2104 | Probe, 28 kW Temperature |
| * | ✓ | 826-2105 | Probe, 36kW, Temperature |
| * | | KIT6078SP | Float Switch Kit FP28 (**Use KIT6079SP for FP36**) - Both kits include covers. |

* Not illustrated.

# 2836

## Elements (flat) and related components for non float-switch model




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | ✓ | 807-4038 | Element, FP28, 480V |
| | | 807-4051 | Element, FP36, 480V |
| 2 | ✓ | 826-2106 | Probe kit, FP28, temperature |
| | ✓ | 826-2107 | Probe kit, FP36, temperature |
| 3 | | 806-6849 | Tilt switch assembly |
| * | | 807-4742 | Tilt switch, micro with long lever (tilt switch used on some models) |
| * | ✓ | 816-0214 | Bar, tilt plate spring slot bracket (nylon piece only) |

# HPRE80

The  HPRE is the successor of the large-capacity 1721 and 18UE.

**Unique Physical Characteristics:**

- Large-capacity chicken fryer.

**Where Used:**

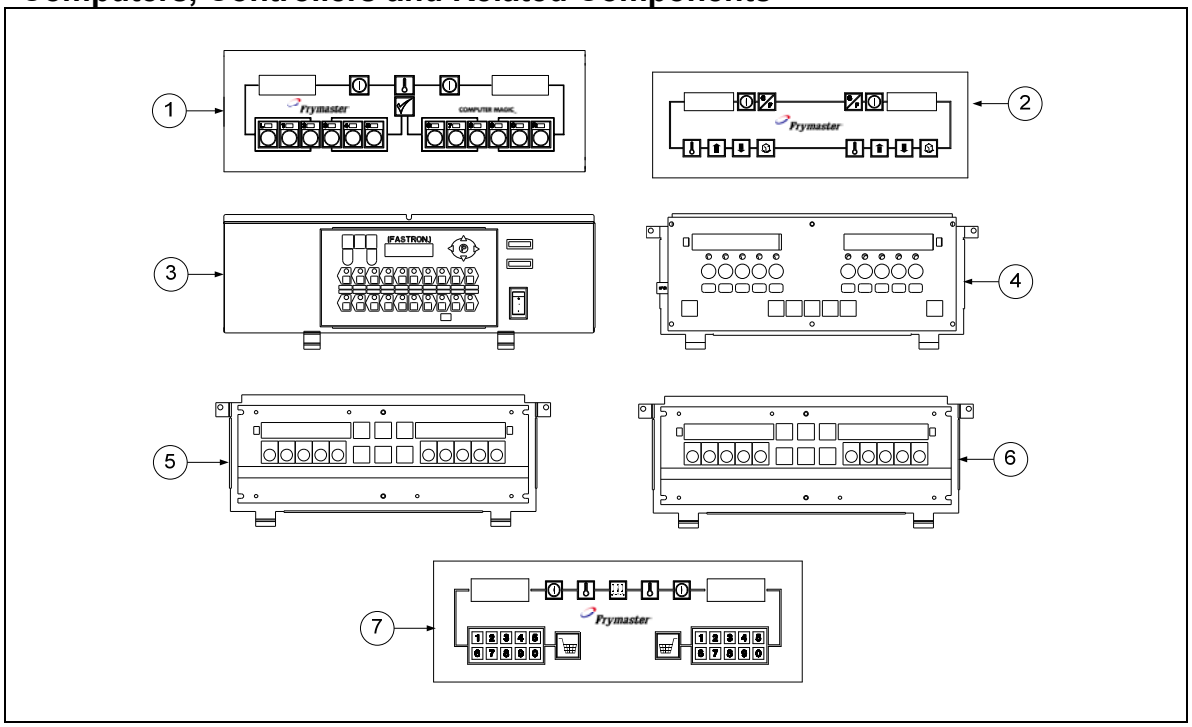
- High-volume chicken restaurants .

**Common Model Numbers:**

RE180, RE280, RE380, RE480

# HPRE80

## Computers, Controllers and Related Components

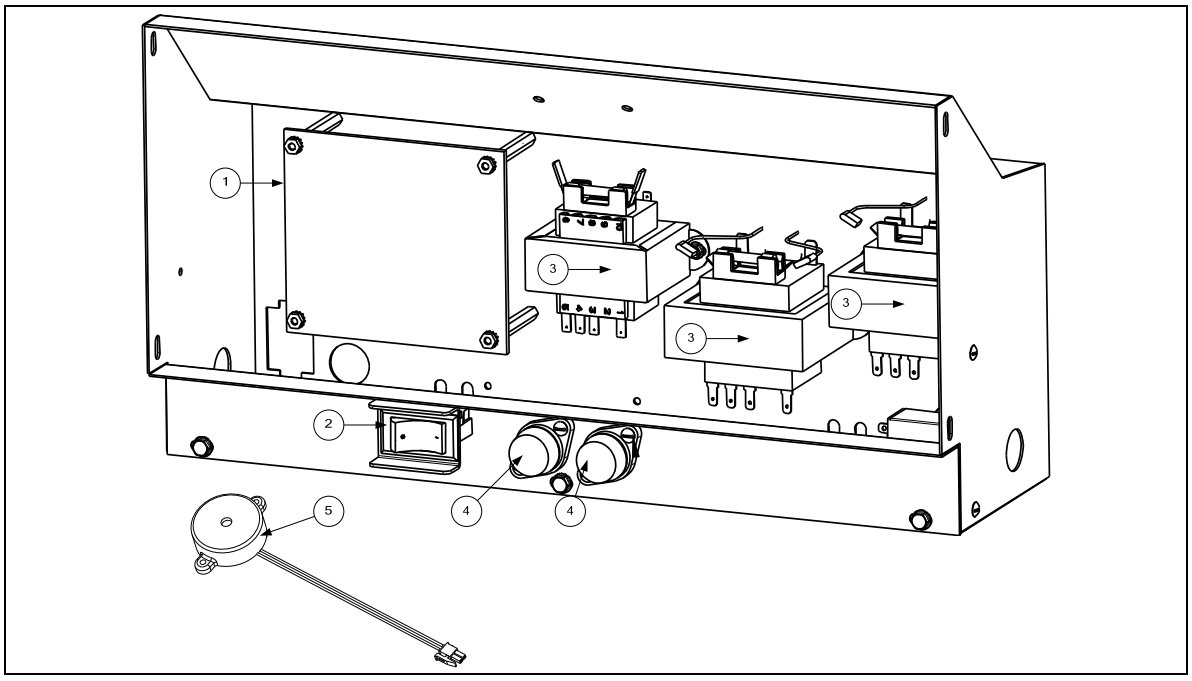



| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | 826-2429 | Computer Magic III.5, Full-Vat, non-CE |
| * | | 826-2395 | Computer Magic III.5, Full-Vat, CE |
| 2 | | 826-2399 | Digital Controller, Full-Vat, CE |
| * | | 826-2329 | Digital Controller, Full-Vat |
| 3 | | 807-4635 | FAST Computer |
| 4 | | 106-4070 | KFC-1 Computer NOT IN BOM |
| 5 | | 108-2297 | Church's CM4S Computer |
| 6 | | 108-2296 | Popeye's CM4S Computer |
| 7 | | 826-2401 | Basket Lift Timer |

* Not illustrated.

# HPRE80

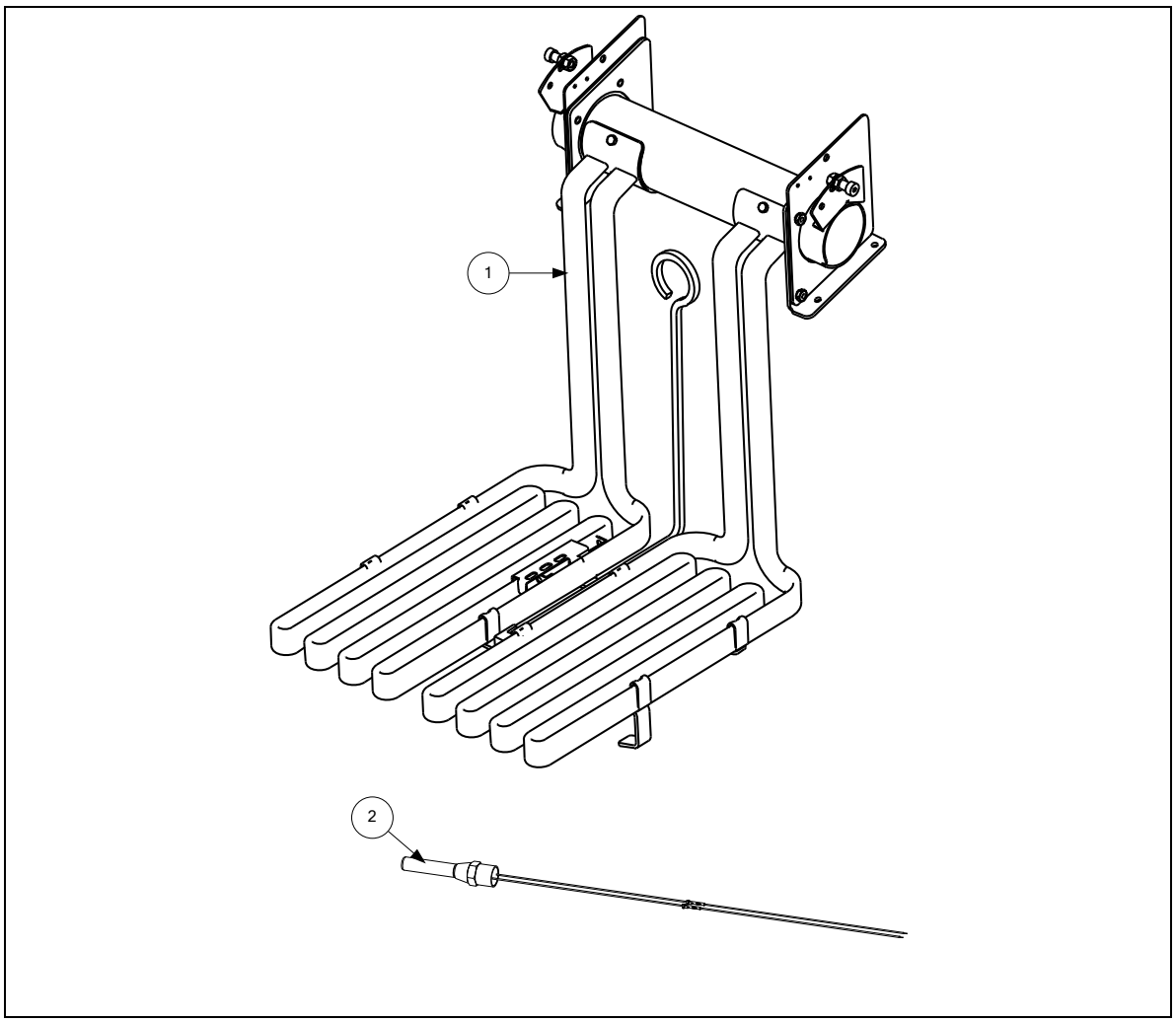
## Electronics




| # | Stock | Part Number | Description |
|---|---|---|---|
| 1 | ✓ | 826-2260 | Interface board |
| 2 | ✓ | 807-4036 | Master power switch |
| 3 | | | **Transformers** |
| | ✓ | 807-0979 | 208/240-12VAC |
| | ✓ | 807-2180 | 208/240-24V 50V |
| | | 807-2191 | V&F208/230/240-12V |
| | | 807-3892 | 440/480V TO 12/24V |
| | ✓ | 8070855 | 120 50/60-12V 20VA |
| | ✓ | 8070800 | 120 50/60-24V 50VA |
| 4 | ✓ | 807-2278 | Fuse, 20 amp |
| 5 | ✓ | 810-3141 | Sound device, SMT |

# HPRE80

## Probes, High-Limits, Elements and Related Components

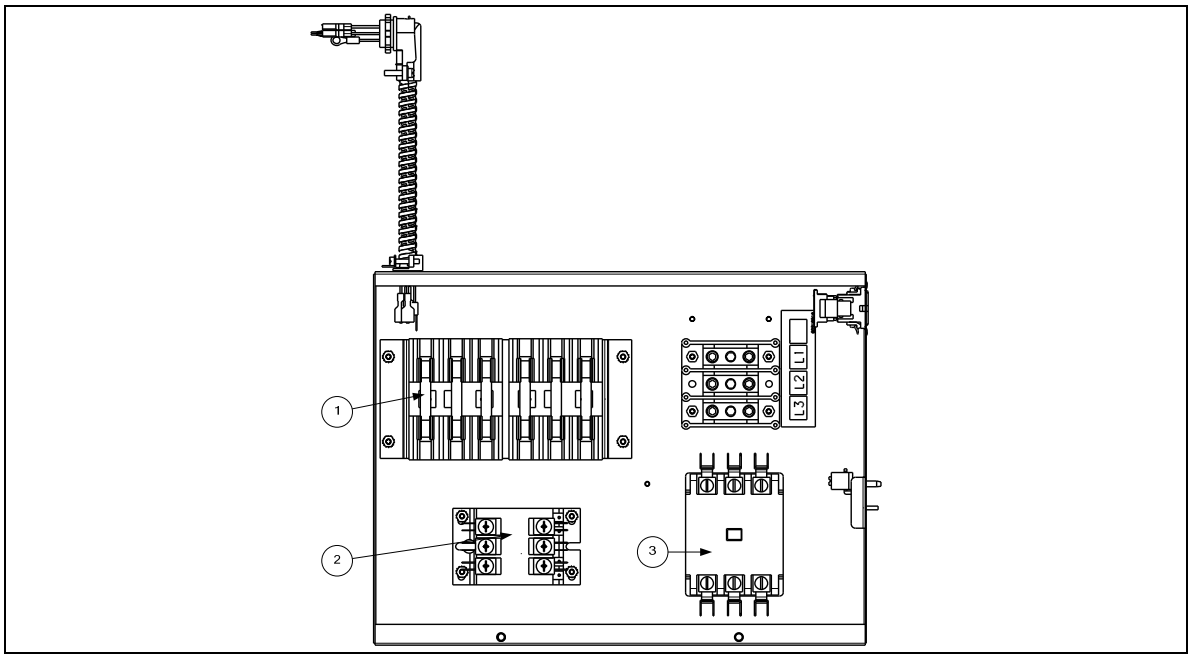



| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | 826-2929 | Element, 208, 17kw |
| | | 826-2930 | Element, 208, 21kw |
| | | 826-2931 | Element, 240, 17kw |
| | | 826-2932 | Element, 240, 21kw |
| | | 826-2933 | Element, 480, 17Kw |
| | | 826-2934 | Element, 480,20.5 Kw |
| | | 826-2935 | Element, 230, 17Kw |
| | | 826-2936 | Element, 230, 21Kw |
| 2 | ✓ | 826-2456 | Hi-limit |
| * | | 826-2455 | Hi-limit kit, CE |
| * | | 826-2928 | Temp probe kit |
| * | | 108-0790 | Temp probe, FAST |

* Not illustrated.

# HPRE80

## Contactor Box




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | ✓ | 807-4017 | Fuse, 50 amp (17kw)_ |
| | ✓ | 807-2240 | Fuse, 60 amp (21 kw) |
| 2 | ✓ | 810-1202 | Latch contactor, 40 amp |
| 3 | ✓ | 807-2284 | Heat contactor, 50 amp |

# 1721/18UE

**Models:** EH1721, SCF318UE, CF118UE

The 18UE and the 1721 are Dean and Frymaster versions of very similar electric fryers. Many components in the running gear are the same.

**Unique Physical Characteristics:**

- Large-capacity chicken fryer.

**Where Used:**

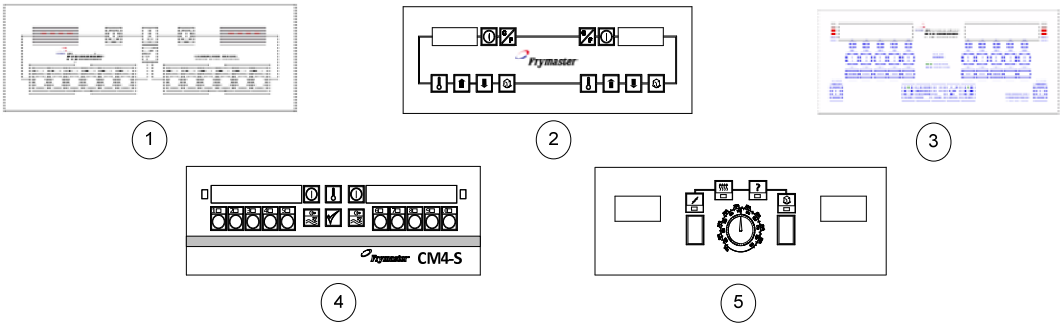
- The Frymaster 1721 is used in Church's and Popeye's.

**Common Model Numbers:**

- EH1721, SCF318UE, CF118UE

# 1721/18UE

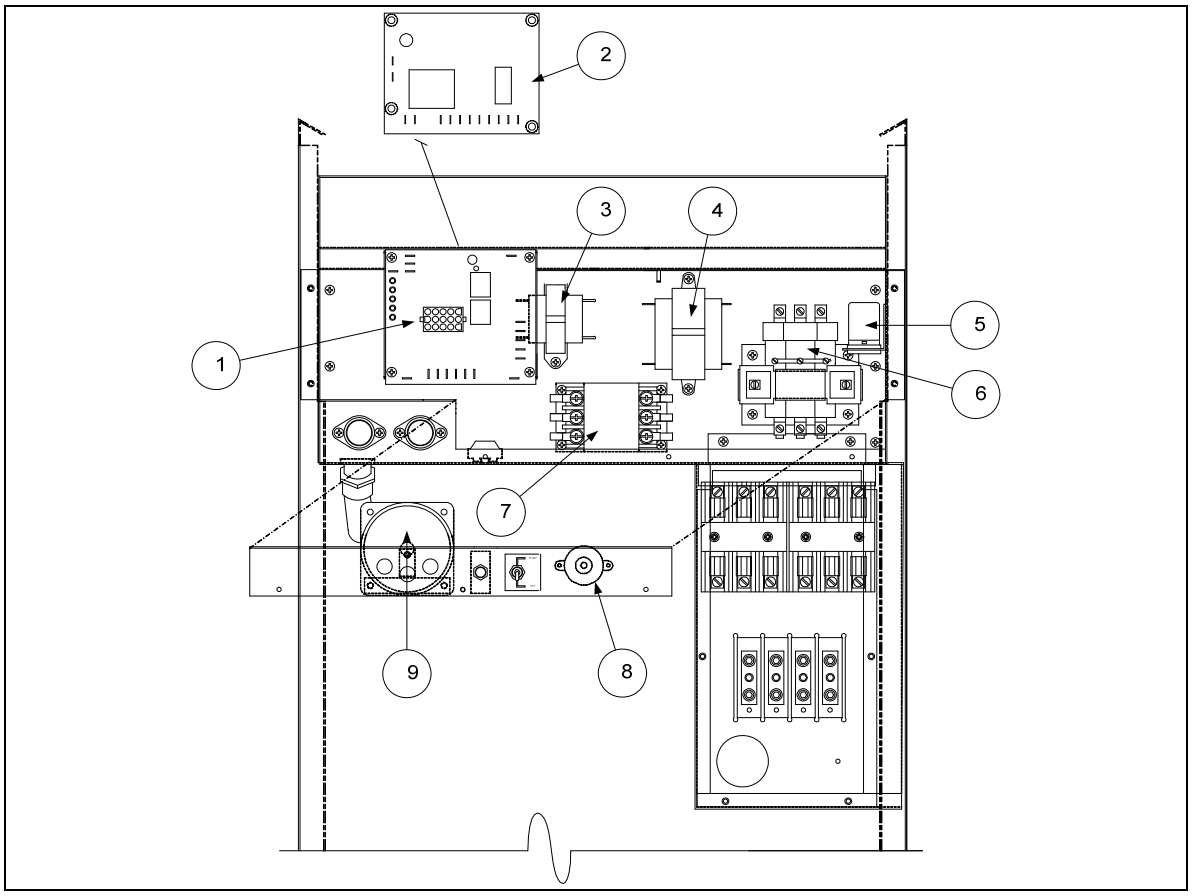
## Computers, Controllers and Related Components




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | 826-2310 | Computer, CM-III Full-Vat (Walmart) |
| 2 | | 826-2303 | Controller, Digital- Full-Vat |
| 3 | | 106-0063 | Computer, KFC-1 Electric (Non-CE) |
| 4 | | 106-3028 | Computer, CM4-S (Segmented Programming) |
| 5 | ✓ | 806-7422 | Controller, Analog- Solid State (3 On, 12 Off) |

# 1721/18UE

## Electronics

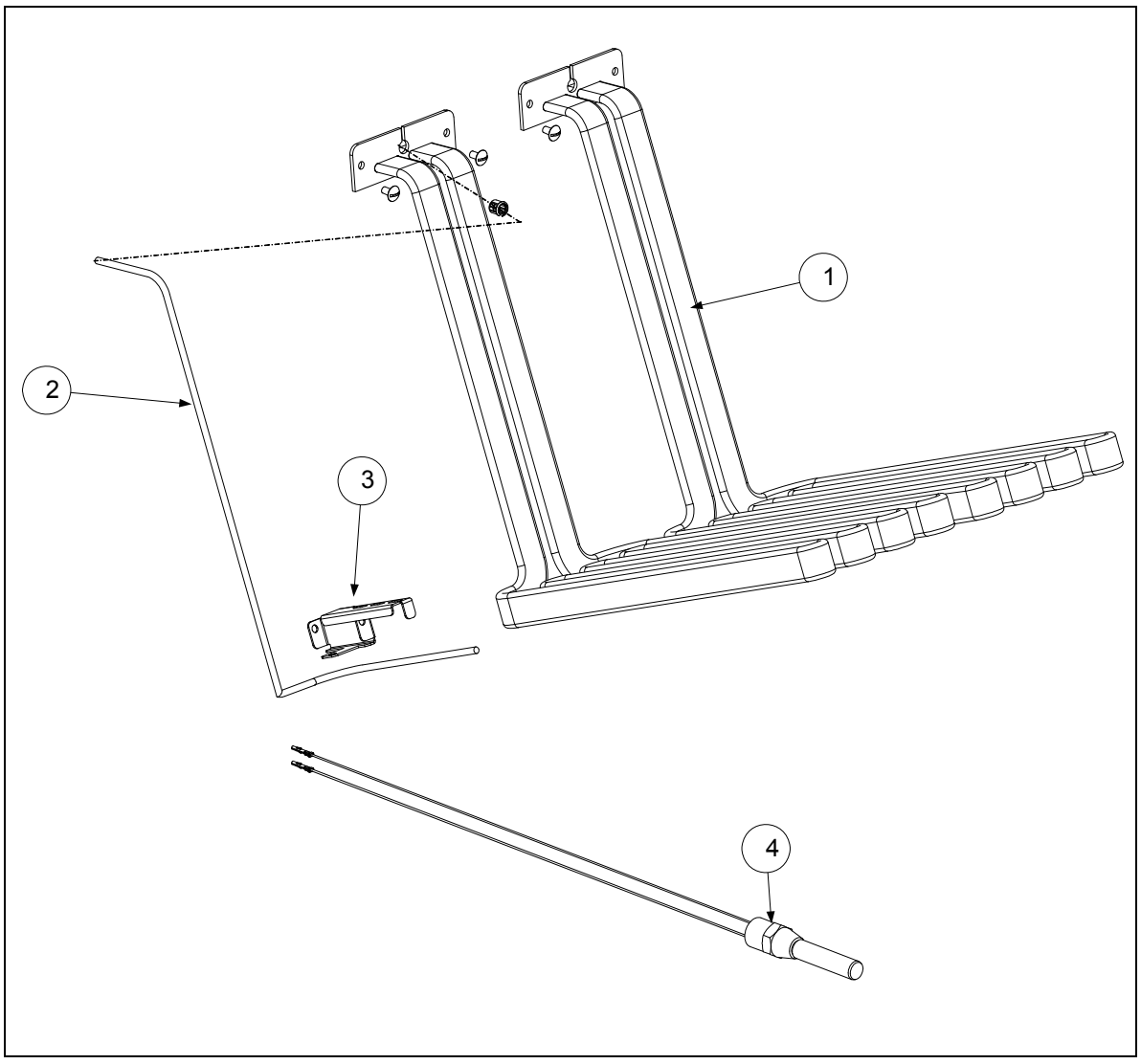



| # | Stock | Part Number | Description |
|---|---|---|---|
| 1 | ✓ | 826-2256 | Interface Board- (All Except Electronic Thermostat Controller) |
| 2 | | 826-2031 | Thermatron Board- (Electronic Thermostat Controllers Only) |
| 3 | ✓ | 807-0855 | Transformer, 120V, 50/60 Hz –12V 20VA (480V Units) |
| * | ✓ | 807-0979 | Transformer, 208-240V, 50/60Hz –12V 20VA |
| 4 | ✓ | 807-0800 | Transformer, 120V 50/60 Hz –24V 50VA (480V Units) |
| * | ✓ | 807-0680 | Transformer, 208-240V, 50/60Hz –24V 20VA |
| | ✓ | 807-2180 | Transformer, 208-240V/24V 50VA |
| 5 | ✓ | 807-3611 | Relay, 24VAC |
| 6 | ✓ | 807-1071 | Contactor, Mercury- 240VAC 30-Amp (17 kW Units) |
| * | | 807-0884 | Contactor, Mercury- 240VAC 50-Amp (21 kW Units) |
| 7 | ✓ | 810-1202 | Contactor, Latching- 40-Amp Mechanical, 3-Pole |
| | ✓ | 807-2284 | Contactor,50 AMP Mechanical, 24V Coil |
| * | ✓ | 807-2278 | Fuse, 20-Amp |
| 8 | ✓ | 806-3660 | Sound Device- <u>All Except KFC18E</u> |
| 9 | | 806-5974SP | Speaker, Sound- <u>KFC18E Only</u> |
| * | | 807-3577 | Breaker, Circuit 7 amp (120V Filter Circuit) |
| * | ✓ | 807-2104 | Microswitch |
| * | ✓ | 807-3932 | Relay, 12VDC |

* Not illustrated.

# 1721/18UE

## Probes, High-Limits, Elements and Related Components

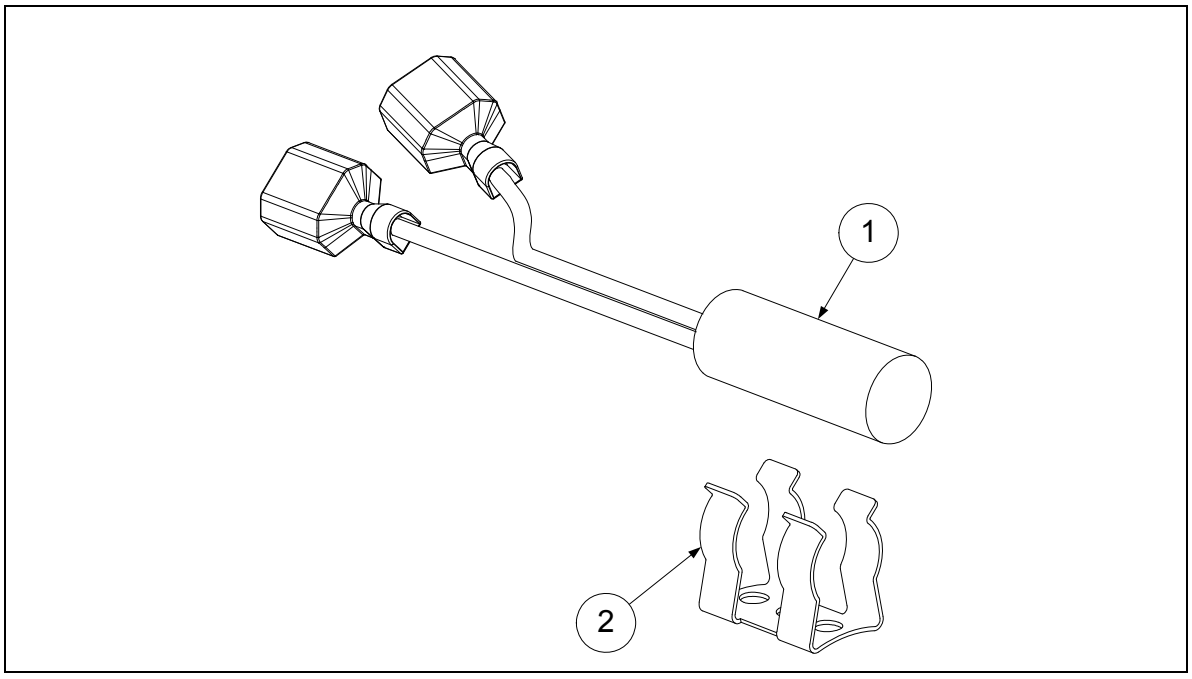



| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | 807-3652 | Element- 208V 8.5 kW |
| | | 807-3675 | Element- 480V 10.25 kW |
| | | 807-3655 | Element- 240V 8.5 kW (**USE FOR 220V 7 kW**) |
| | | 807-3657 | Element- 208V 9.0 kW |
| | | 807-3658 | Element- 240V 9.0 kW |
| | ✓ | 807-2557 | Element- 208V 10.25 kW |
| | | 807-2637 | Element- 240V 10.25 kW |
| 2 | ✓ | 826-1791 | Probe, Temperature- 15" (With Ty Wrap)- All Except Thermatron |
| * | | 807-3653 | Probe, Temperature- Thermatron Only |
| 3 | ✓ | 910-5022 | Bracket, Probe Guard |
| 4 | ✓ | 826-2456 | High-Limit Thermostat- 435°F |
| * | | 8074744 | Float Switch, 1721 RE |

* Not illustrated.

# 1721/18UE

## Tilt Safety Switch Components




| # | Stock | Part # | Description |
|---|---|---|---|
| 1 | | 806-6849SP | Switch, Tilt Safety |
| * | | 809-0874 | Ty Wrap, Plastic- 4" (Operating Temperature 265°F) |
| 2 | | 807-1570 | Clip, Tilt Switch |
| * | | 807-4742 | Switch, Hi-Temp Long Lever |

* Not illustrated.

# Pumps/Motors

Frymaster fryers use Viking pumps; Dean units have Haight pumps. The 4 GPM pump used in Frymaster fryers will fit in most units. The same can be said for Dean pumps, although 4GPM, 5GPM, and an 8 GPM pump are available.

It doesn't take much debris to clog a pump. The one above was believed failed and replaced. All it needed was cleaning. Warranty claims for functioning pumps are rejected.

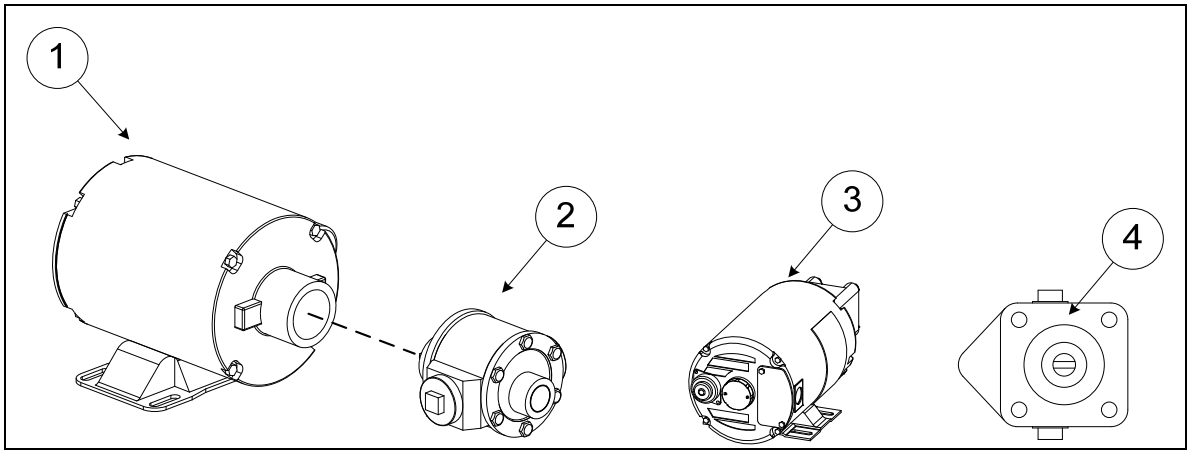
**What to Watch For:**

- Pumps are easily clogged. Don't replace a pump/motor assembly without cleaning the pump.

**How to Order:**

- Frymaster doesn't sell pump/motor assemblies, essentially to deter needless replacement of both components. Pumps and motors are listed separately, each with a gasket.

# Pumps/Motors




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 810-2100 | Motor, 120-230 1/3 HP **used in 24G, Decathlon (Dean only)** |
| * | | 826-1270 | 230V 50/60 Motor with Gasket |
| 3 | ✓ | 826-1712 | 120V motor with gasket, **used in 45-series, 52/55 , Pro/RE** |
| * | | 826-1755 | Motor/Gasket 250v 50/60 Hz |
| * | ✓ | 826-1756 | 208V motor with gasket, **used in Pro/RE** |
| * | | 826-1785 | Motor 100v 50/60 Hz |
| 2 | ✓ | 810-2098 | Pump, 8GPM, Haight |
| * | | 810-2252 | Pump, 5GPM, Haight |
| * | | 816-0093 | Gasket; used in filter pump and filter motor kits |
| * | | 826-1264 | Pump (4GPM) & Gasket Kit for PF50R, PF50S |
| * | ✓ | 826-3191 | Kit, HD Pump,4GPM, ZTF |
| * | ✓ | 826-3192 | Kit, HD Pump 8GPM, ZTF **Used in Dean Common Cabinet** |
| * | | 826-1392 | O-Rings, .739" I.D. *(pkg. of 5)* [816-0596] |
| * | | 826-1051 | O-Ring Kit, for FMII or FPII Filter Systems |
| * | ✓ | 816-0597 | O-Rings, 1.36" I.D., for Footprint III Filter Pan Check Valve |

* Not illustrated.

# Pasta Magic, Gas

The Pasta Magic is a revised gas pasta cooker.

Unique Physical Characteristics:

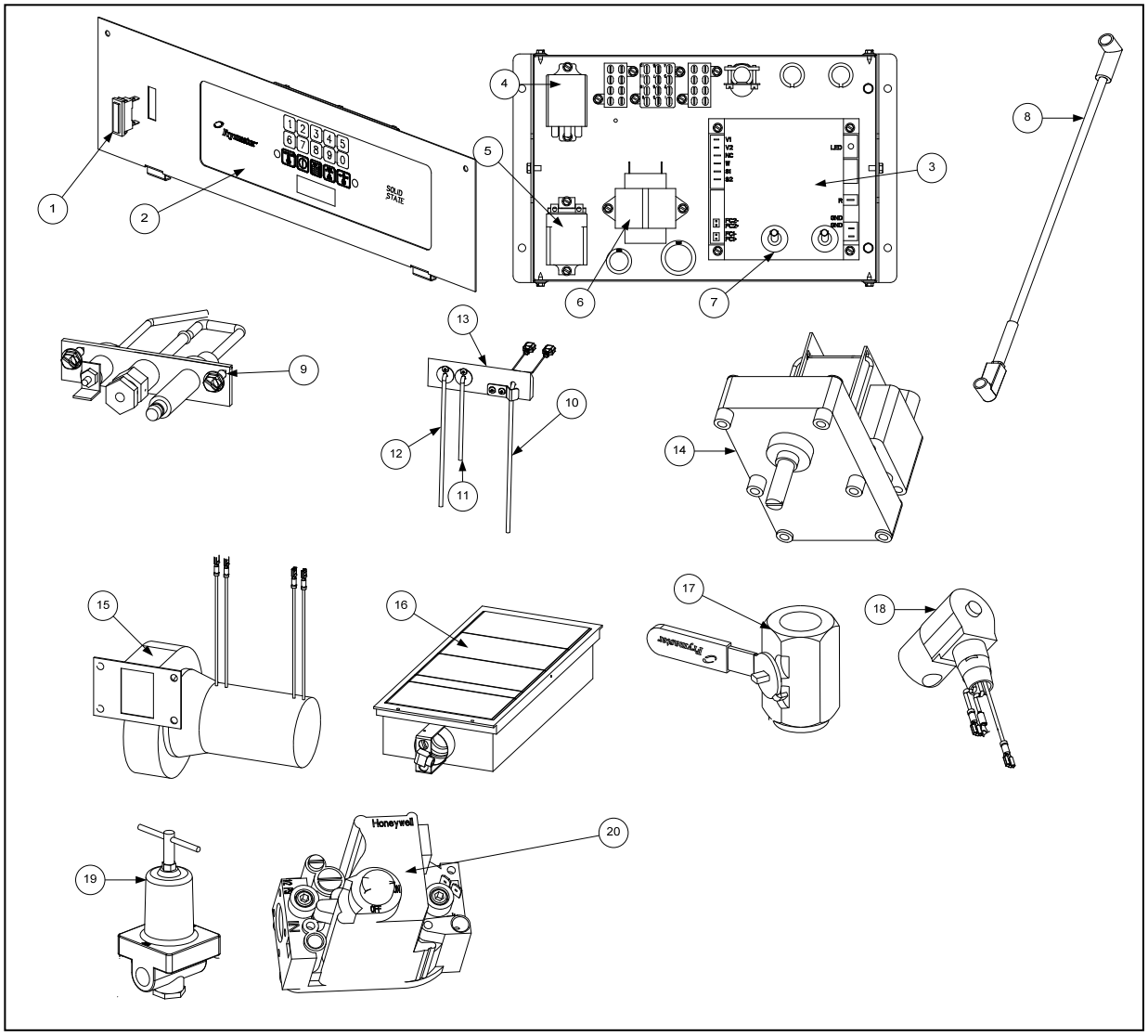
The Pasta Magic has a flat-bottom tank with sealed burners attached.

Where Used:

Pasta restaurants

Common Model Numbers:
GPC, GPCB, GPCR, GPCRB

# Pasta Magic, Gas




| # | Stock | Part No | Description |
|---|---|---|---|
| 1 | | 807-1704 | Trouble lamp |
| 2 | | 108-1444 | Computer |
| 3 | | 807-4943 | Ignition module |
| 4 | ✓ | 807-1396 | Basket lift relay, upper |
| 5 | ✓ | 807-0670 | Heat relay (lower relay) |
| 6 | ✓ | 807-0800 | Transformer 120VAC/24VAC 50/60 Hz 50VA |
| * | ✓ | 807-0680 | 208-240VAC/24VAC 50/60 Hz 20VA |
| 7 | ✓ | 807-3484 | Connector, Raja (two required for module) |
| 8 | | 106-3338SP | Ignition wire |
| 9 | | 826-0981 | Igniter, Natural |
| * | | 826-0982 | Igniter, Pro |
| 10 | ✓ | 806-4764 | Temperature probe |
| 11 | ✓ | 823-1921 | High-water probe |
| 12 | ✓ | 823-1920 | Low-water probe |
| 13 | | 826-1081 | Probe block assembly kit, with autofill |

# Pasta Magic, Gas

| Item | Stock | Part No | Description |
|---|---|---|---|
| * | | 806-9365SP | Probe block assembly, no autofill |
| 14 | ✓ | 807-0107 | Basket Lift motor, 115V |
| * | | 807-0108 | Basket lift motor, 240V |
| * | | 807-0240 | Basket lift micro switch |
| * | ✓ | 810-1105 | Magnet, door |
| 15 | | 108-1540 | Motor, blower, 120V |
| * | | 108-1556 | Motor, blower, 208/240V 50 |
| 16 | | 810-0527 | Burner, NAT |
| * | | 810-0618 | Burner, PRO |
| 17 | | 810-1825 | Drain valve |
| 18 | | 108-1518 | Fill valve solenoid |
| 19 | | 810-1208 | Water regulator |
| 20 | ✓ | 826-1122 | Gas valve, natural |
| * | | 826-1123 | Gas valve, pro |

# GSMS

The GSMS is a gas pasta cooker.

**Unique Physical Characteristics:**

The GSMS has a flat-bottom tank with sealed burners attached.

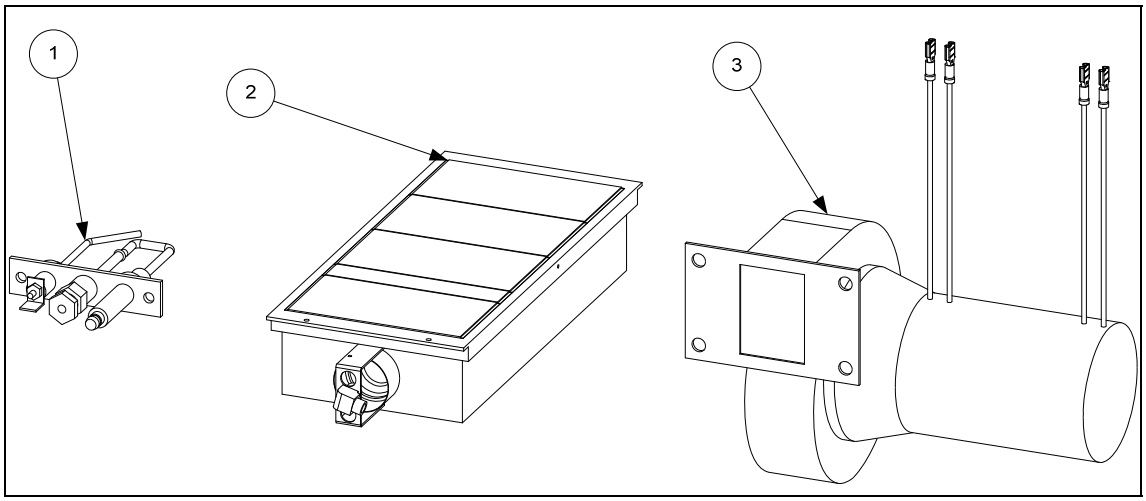
**Where Used:**

Carrabba’s and other pasta restaurants

**Common Model Numbers:**

GSMS, GBC, GC

## Combustion System Components

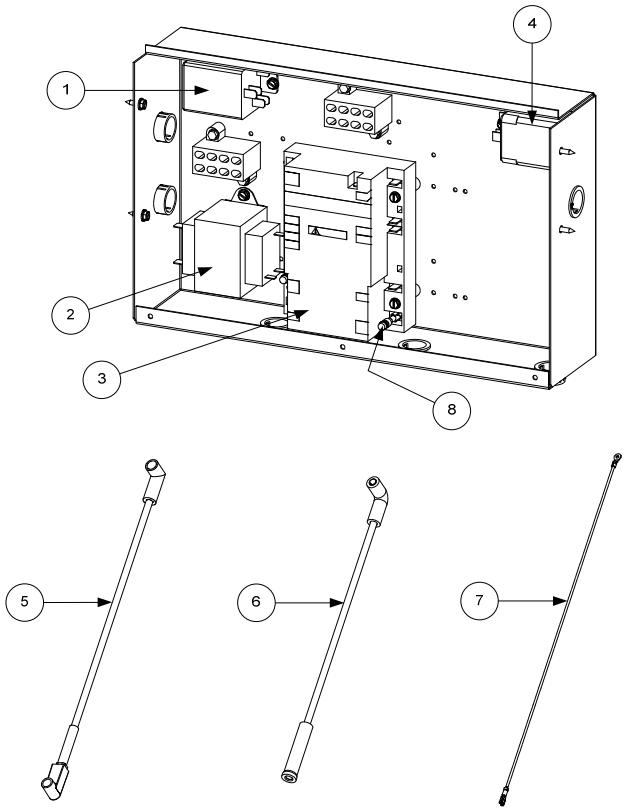



| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | **Igniter** |
| | ✓ | 826-1714 | Natural Gas |
| | | 826-1715 | Propane Gas |
| 2 | | | **Burner Assembly** |
| | | 810-1382 | Natural or Propane Gas Burner w/o Orifice |
| * | ✓ | 812-0357 | Burner Insulation |
| * | | 816-0055 | Insulation hold-down bracket |
| 3 | | | **Motor, Blower** |
| | ✓ | 807-1564 | 120VAC/60 Hz |
| | | 807-1712 | 230V 50/60HZ |

* Not illustrated.

# GSMS

## Control Box and Related Components



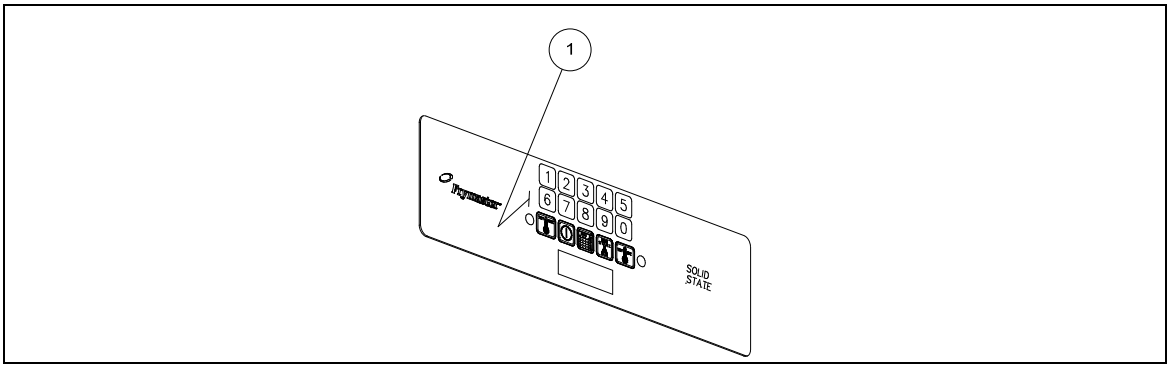

**NOTE:** Item 5 is for use with 807-3366 ignition module (item 7) and requires a RAJAH connector (item 8). Item 6 is for use with 807-1006 ignition module and does not require a RAJAH connector.

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | 807-1396 | Relay, 24VDC SPDT (Basket Lift Relay – GSMS and GBC units only) |
| 2 | | | **Transformer** |
| | ✓ | 807-0800 | 120VAC/24VAC, 50/60 Hz, 50VA |
| | ✓ | 807-0680 | 208-240VAC/24VAC, 50/60 Hz, 43VA |
| 3 | ✓ | 807-3366 | Module, Honeywell Dual-Spark FV Ignition (See **NOTE** below.) |
| 4 | ✓ | 807-0670 | Relay, 24V DPDT (Heat Relay – all units) |
| 5 | | 106-0676SP | Cable, Ignition (used with Item 3 – also requires Item 8) |
| 6 | | 807-1709 | Cable, Ignition (used with 807-1006 Ignition Modules) |
| 7 | | 806-5316SP | Wire Assembly, 20-inch High Temperature (Flame Sensor Wire) |
| 8 | ✓ | 807-3484 | Connector, RAJAH (two required for each 807-3366 Ignition Module) |

**NOTE:** Control box assemblies on units manufactured before October 2000 were built with two single-spark ignition modules (P/N 807-1006). If an 807-1006 module fails, the control box may be retrofitted with one dual-spark ignition module (P/N 807-3366) and two RAJAH connectors (P/N 807-3484). If this option is chosen, the earlier style ignition cables (P/N 807-1709) must also be replaced with the new ignition cables (P/N 106-0676SP).

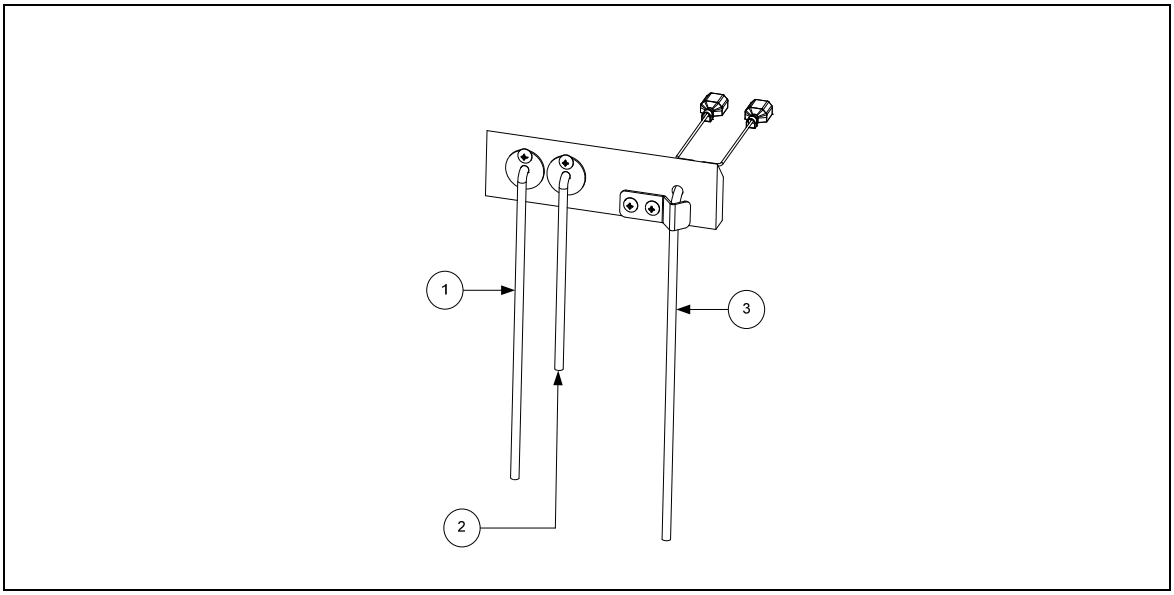
# GSMS

## Controllers and Control Panel Components




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | Controller, SMS III - GSMS |
| | | 106-0376 | Full Featured |
| | | 106-0379 | w/o Autoskim |
| | | 106-0380 | w/o Autofill or Autoskim |
| | | | Controller, SMS III - GSMS |
| | ✓ | 106-0377 | Full Featured |
| | | 106-0381 | w/o Autoskim |
| | | 106-0382 | w/o Autofill or Autoskim |

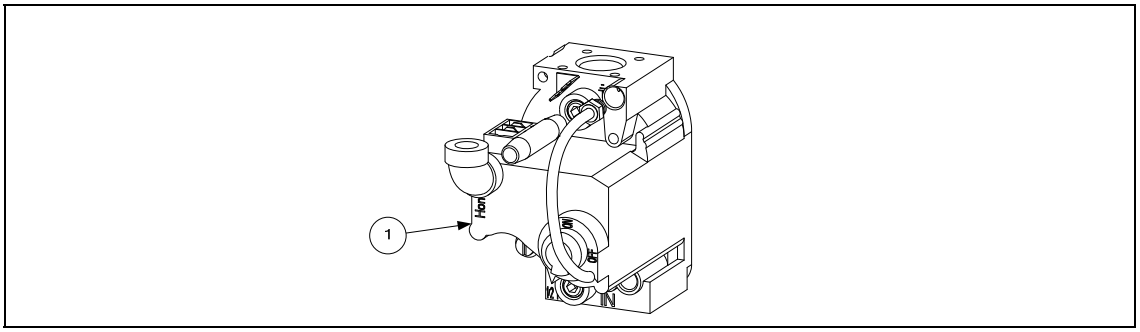
## Water Sensors




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 823-1920 | Sensor, Low Water Level |
| 2 | ✓ | 823-1921 | Sensor, Normal Water Level |
| 3 | ✓ | 806-4764 | Probe Assembly, Temperature |
| * | ✓ | 809-0193 | Washer, ¼" Nylon, flat |

* Not illustrated.

## Gas Valves




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | | Valve, Honeywell Gas (Non-CE) |
| | ✓ | 826-1122 | Natural or Manufactured Gas |
| | | 826-1123 | Propane Gas |

# 8/17 kW Pasta Magic

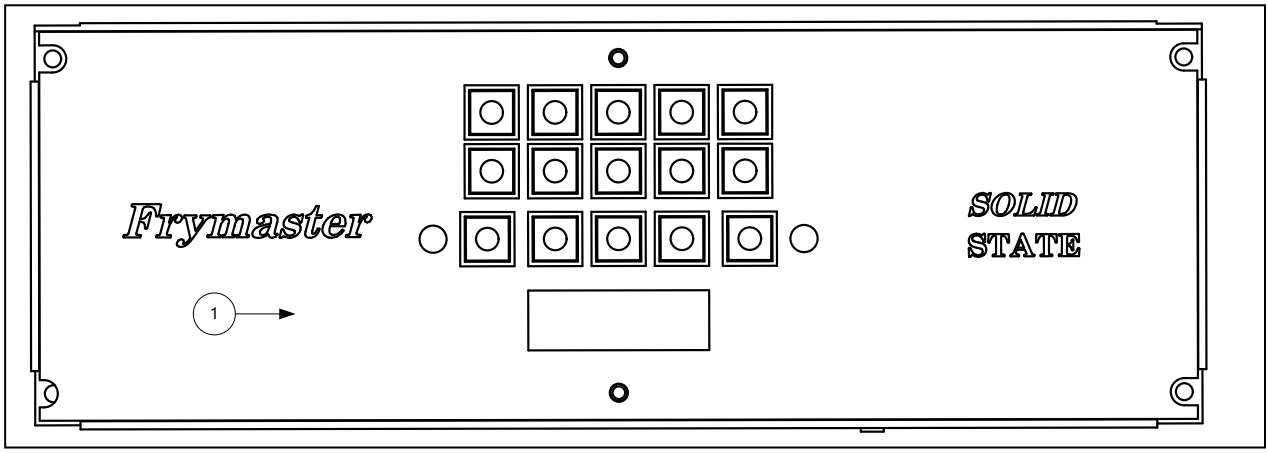
The 17 and 8kW Pasta Magic units are designed to cook pasta.

**Unique Physical Characteristics:**
Fully featured units can have basket lifts, rinse tank and a faucet.

**Where Used:**
Fazoli's and other pasta restaurants.

**Common Model Numbers:**
8SMS, 8BC, 8C, 17SMS, 17BC, 17C.

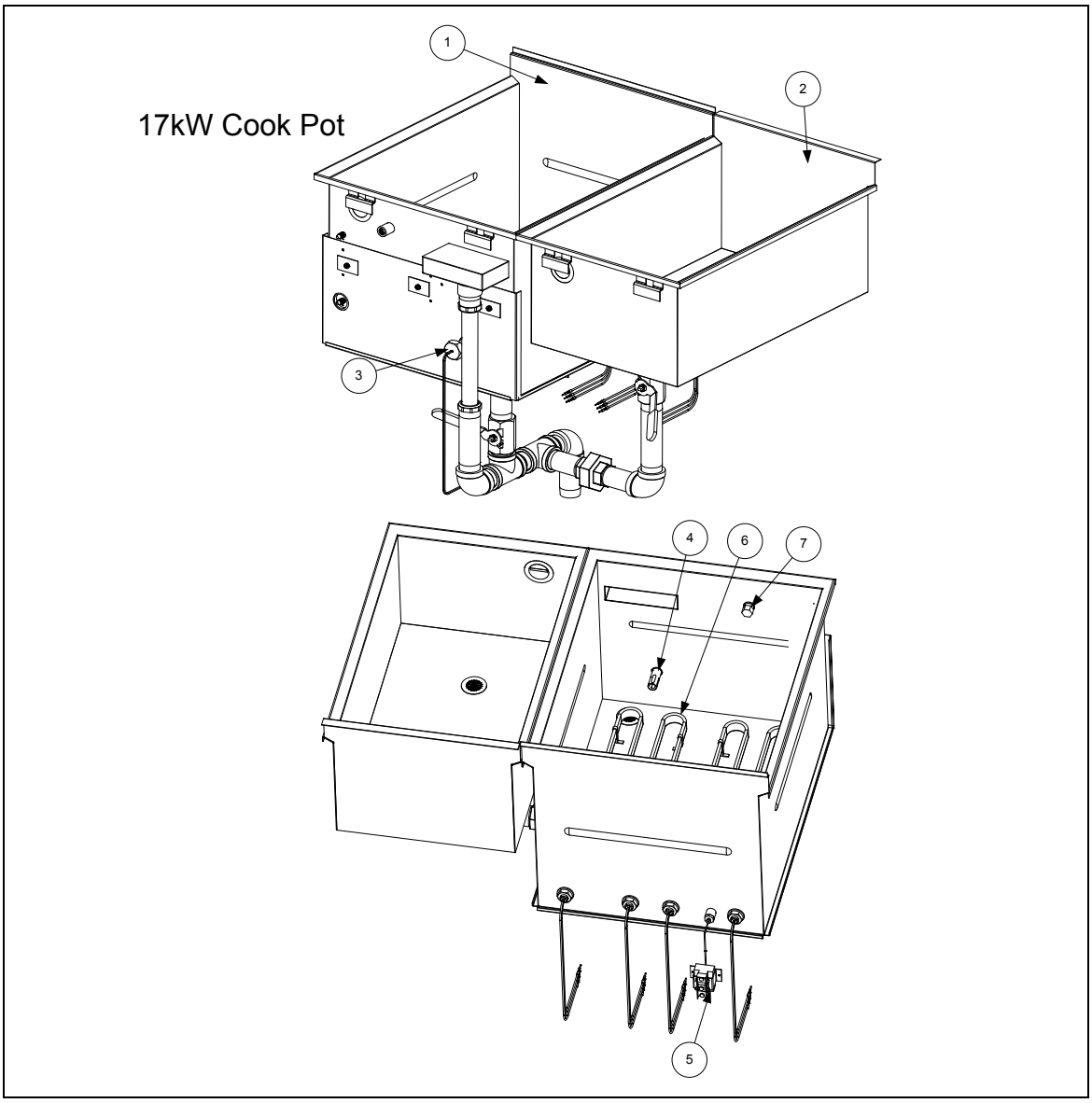
# 8/17 kW Pasta Magic




**Controllers**

| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 106-0385 | Computer, 17SMS |
| | ✓ | 106-2926 | Computer, 17SMS, Noodles |
| | | 108-1131 | Computer, 8SMS, with skim |
| | | 106-7663 | Computer, 17EI with standby |
| | | 106-9761 | Computer, 17 SMS |

# 8/17 kW Pasta Magic

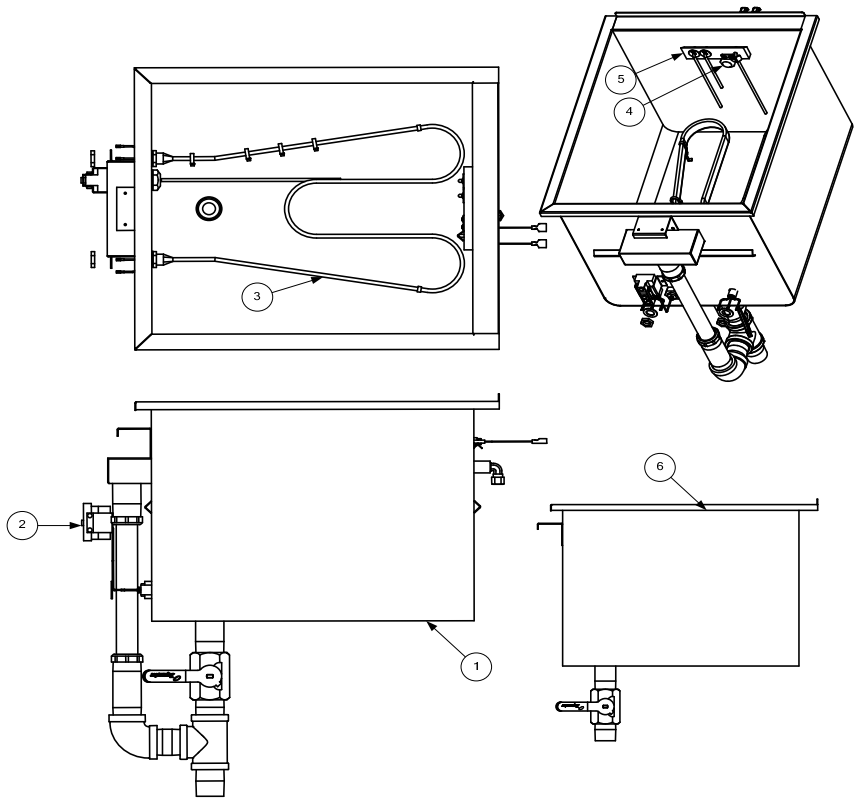



| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | 106-0461 | Cookpot Assembly (for 17EMCS (McDonald's), use 823-3827SP) |
| 2 | | 106-0543 | Rinse Tank Assembly |
| * | | 816-0152 | Insulation, Cookpot Front (behind Item 4) |
| * | | 900-1762 | Retainer, Insulation |
| 3 | | 807-3333 | Probe, Temperature |
| 4 | ✓ | 210-0681 | Guard, Temperature Probe |
| 5 | ✓ | 826-1601 | Thermostat, High-Limit |
| 6 | | 807-3814 | Element, 208V 8.625kW (for 230V, use 807-3815; for 240V, use 807-3816) |
| 7 | | 810-0976 | Nozzle |
| * | | 823-2022 | Strainer |

* Not illustrated.

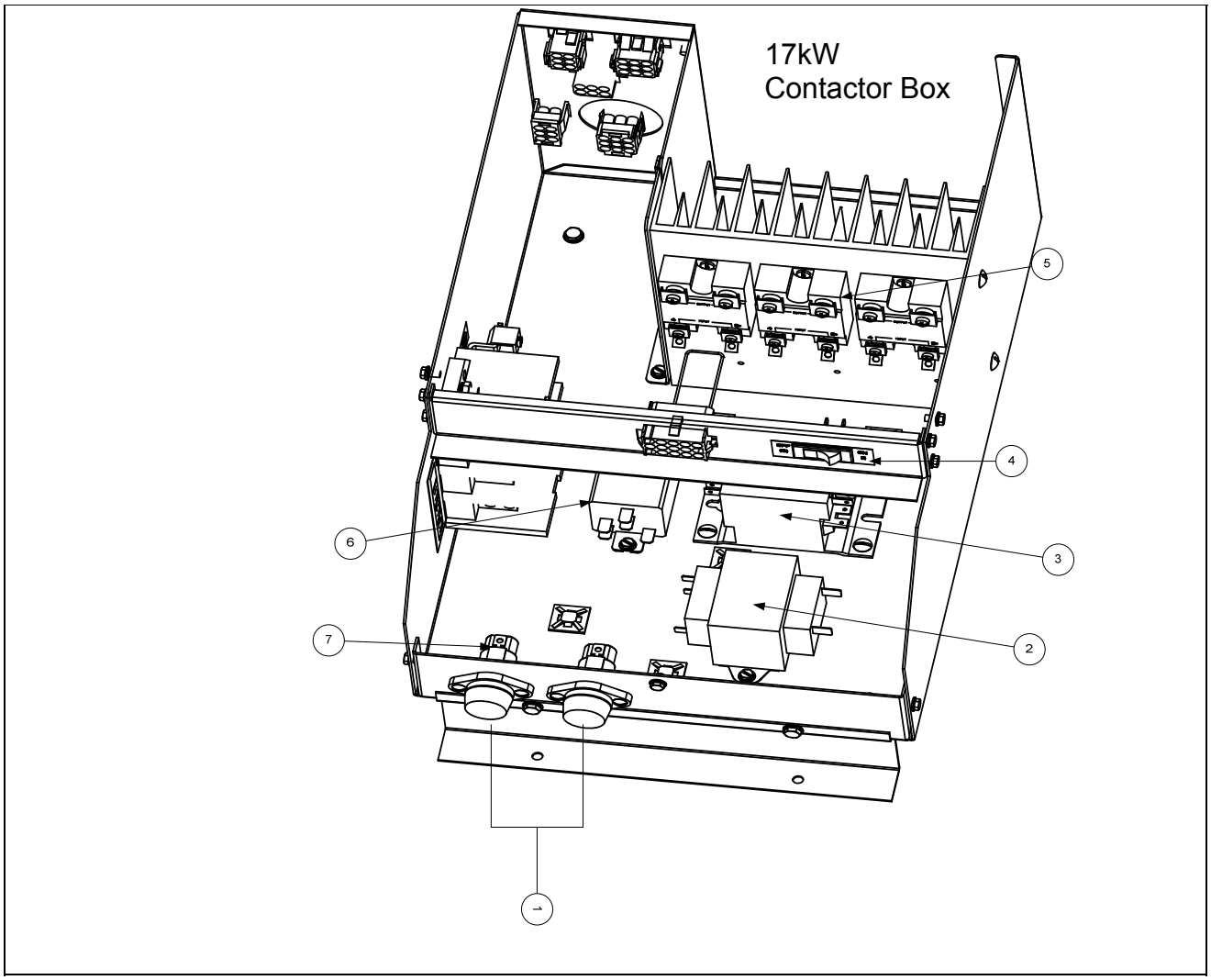
# 8/17 kW Pasta Magic

8kW Cook Pot




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | 823-7044SP | Cookpot assembly |
| 2 | ✓ | 826-1601 | Thermostat, high limit |
| 3 | | 826-1798 | Element,240v 8000 watts 3p |
| 4 | | 810-0713 | Nozzle,spray |
| 5 | | 806-9366SP | Block assy w/auto probe |
| * | ✓ | 823-1920 | SMS low water sensor |
| * | ✓ | 823-1921 | SMS water level sensor |
| 6 | | 823-7045SP | Rinse tank assembly |

# 8/17 kW Pasta Magic

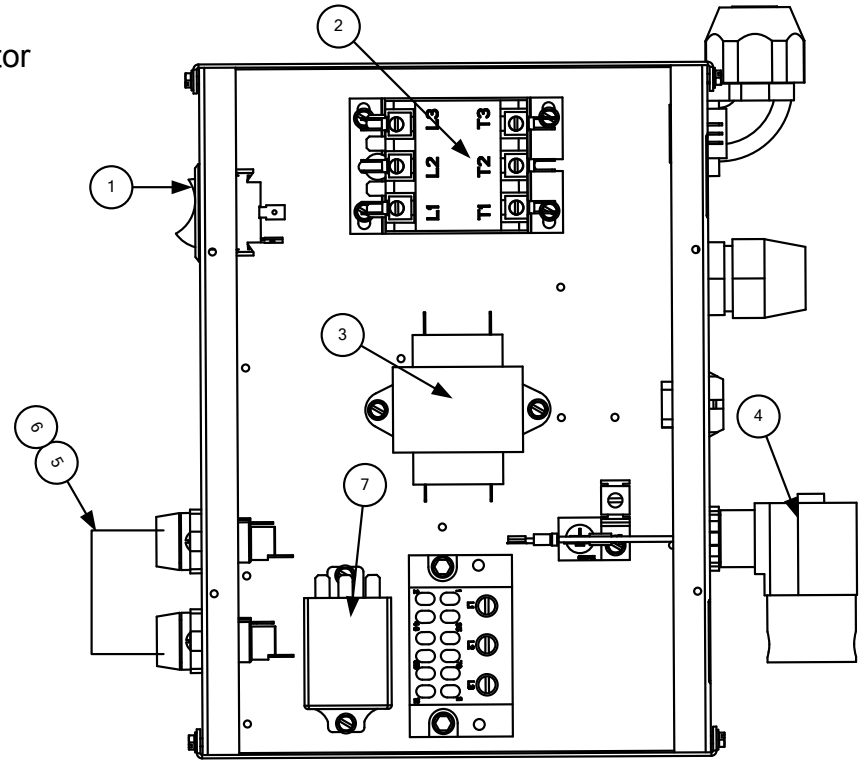



| # | Stock | Part # | Component |
|---|---|---|---|
| * | | *824-0856* | *Starch Shield (mounts to back of control panel to protect computer)* |
| 1 | ✓ | 807-0922 | Holder, fuse |
| 2 | ✓ | 807-0680 | Transformer, 208-240VAC/24VAC 50/60Hz 43VA |
| 3 | ✓ | 810-1202 | Contactor, 3 Pole 600VAC 40 Amp |
| 4 | | 807-2082 | Switch, Non-Illuminated Rocker |
| 5 | ✓ | 807-3996 | Relay, 75 Amp 280V SPST-NO Solid State |
| 6 | | 807-1396 | Relay, 24V, SPDT |
| 7 | | 807-2279 | Fuse, 15 amp |

* Not illustrated.

# 8/17 kW Pasta Magic

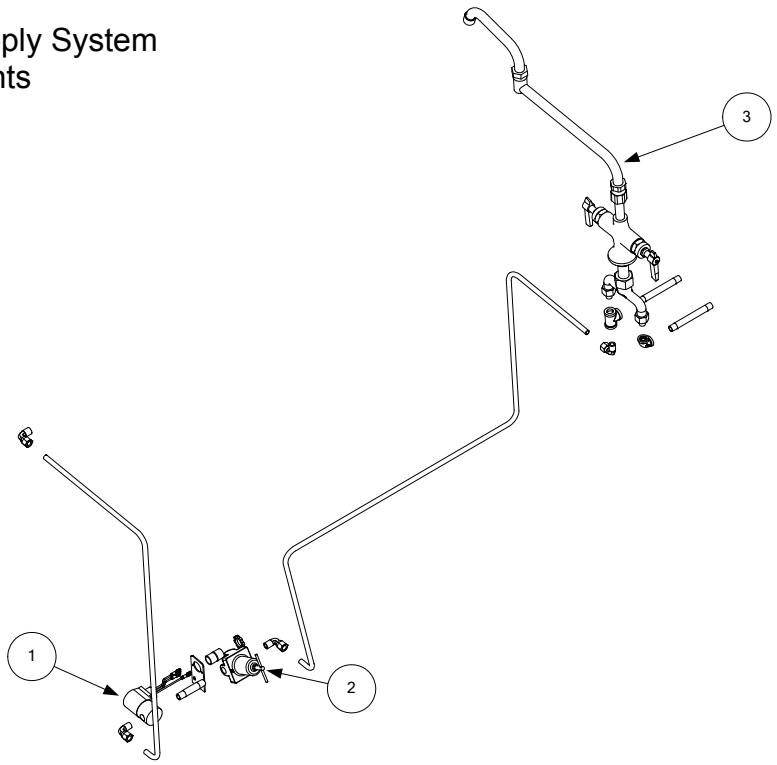
8kW Contactor Box




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 807-4036 | Switch, dpst rckr |
| 2 | ✓ | 807-2284 | Contactor,50 amp mech 24v coil |
| 3 | ✓ | 807-0680 | Transformer primary 208/240v |
| 4 | | 807-1393 | Valve,solenoid 2-way 1/4npt |
| 5 | ✓ | 807-0922 | Holder screw type Buss fuse |
| 6 | | 807-2279 | Fuse, 15 amp |
| 7 | | 807-1396 | Relay 24 DC spdt |

# 8/17 kW Pasta Magic

Water Supply System
Components




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | 806-5565 | Valve Assembly, 24VAC 60Hz Solenoid |
| 2 | | 810-1208 | Valve, Pressure Regulator |
| 3 | | 813-0412 | Faucet, Double Jointed Pantry |
| * | | 826-1132 | Kit, Faucet Repair (contains two valve assemblies) |

* Not illustrated.

# UHC-HD

Original fan-equipped model with hump on top.

Natural convection model with flat top.

The UHC-HD is the third generation of the holding cabinet. This one is made exclusively for McDonald's. It differs from the UHC-P in two ways: six rows, or slots, in the same footprint as the four-row UHC-P and it is programmable with an onboard keypad.

The cabinet was originally introduced with three cooling fans housed under a hump on the top. A later natural convection model has no fans and the top is flat. They take a different, KES-provided, mounting bracket to attach to the prep table.

**Unique Physical Characteristics:**

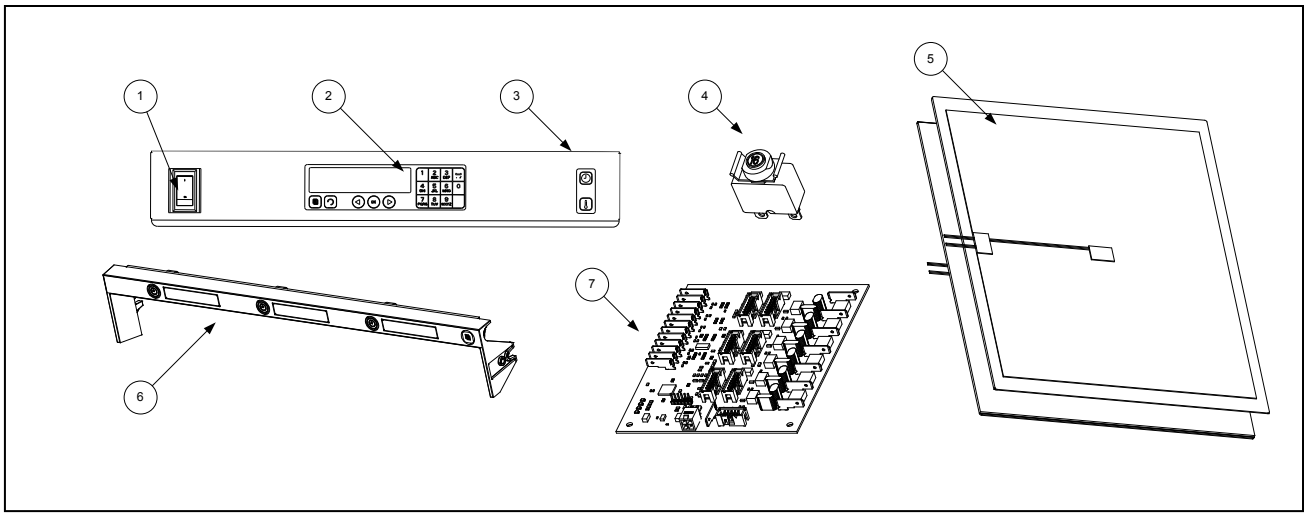
- Six slots versus the previous four-slot models, keypad and USB port on front facia for manual programming, global time and temperature buttons. Units produced from August '10 until April '11 have exhaust fans and a hump on top to accommodate the fans. Units made mid-April '11 and later have no exhaust fans and the top is flat.

**Where Used:**

- McDonald's.

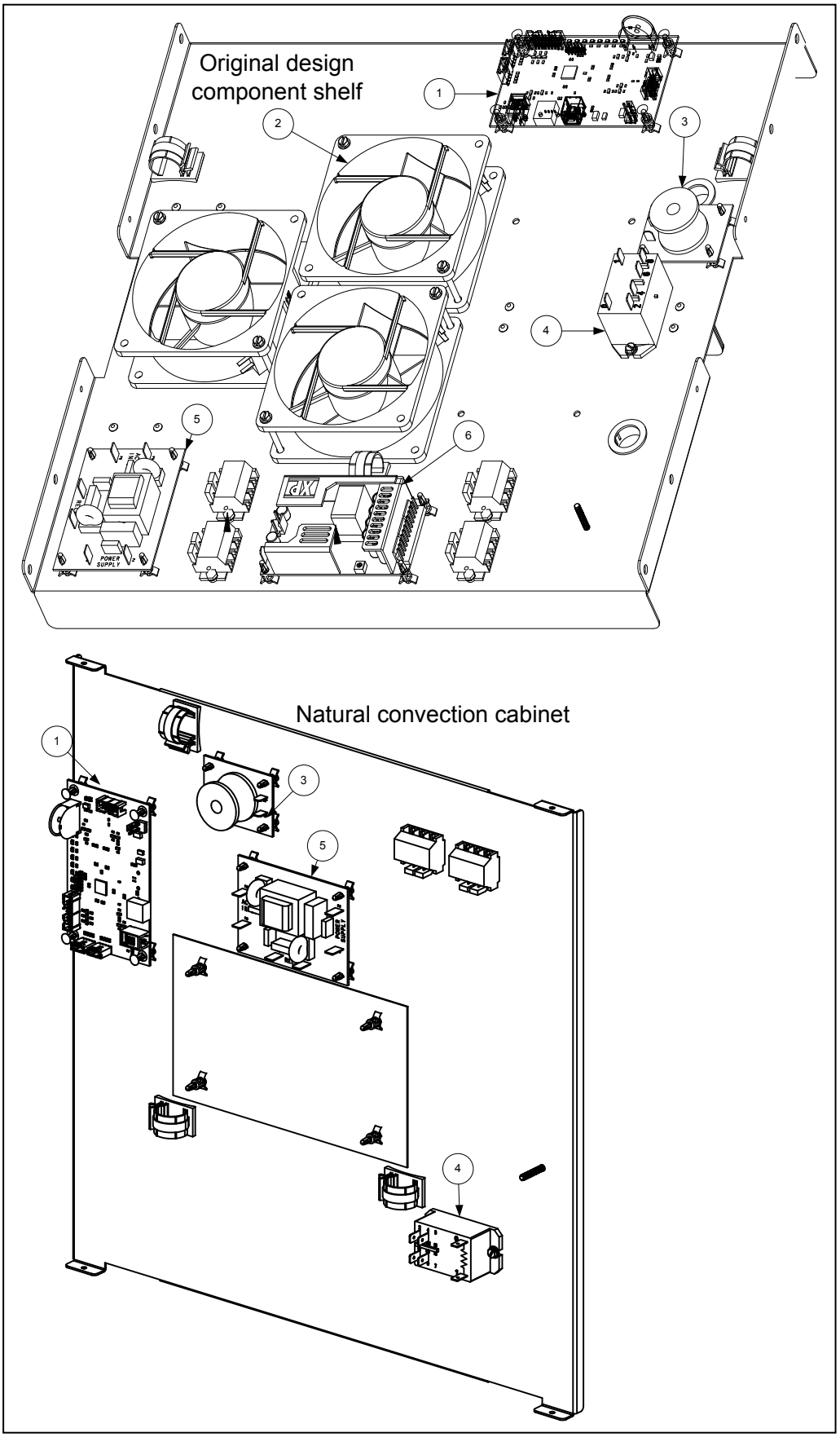
**Common Model Numbers:** UHC-HD. A three-row model is being tested in Europe.

# UHC-HD




| # | Stock | Part Number | Description |
|---|---|---|---|
| 1 | | 807-4911 | Power switch |
| 2 | | 807-5112 | Master control overlay with ribbon cable |
| 3 | | 807-5111 | Time/Temperature switch |
| 4 | | 807-4882 | Circuit breaker |
| * | | 807-5156 | Master display board (circuit board in master display assembly) |
| 5 | | 807-4857 | Heater plate/RTD |
| 6 | ✓ | 826-2781 | Bezel, with boards, front with short ribbon cable |
| * | ✓ | 826-2782 | Bezel with boards, rear, with long ribbon cable |
| 7 | ✓ | 807-5508 | Distribution board |

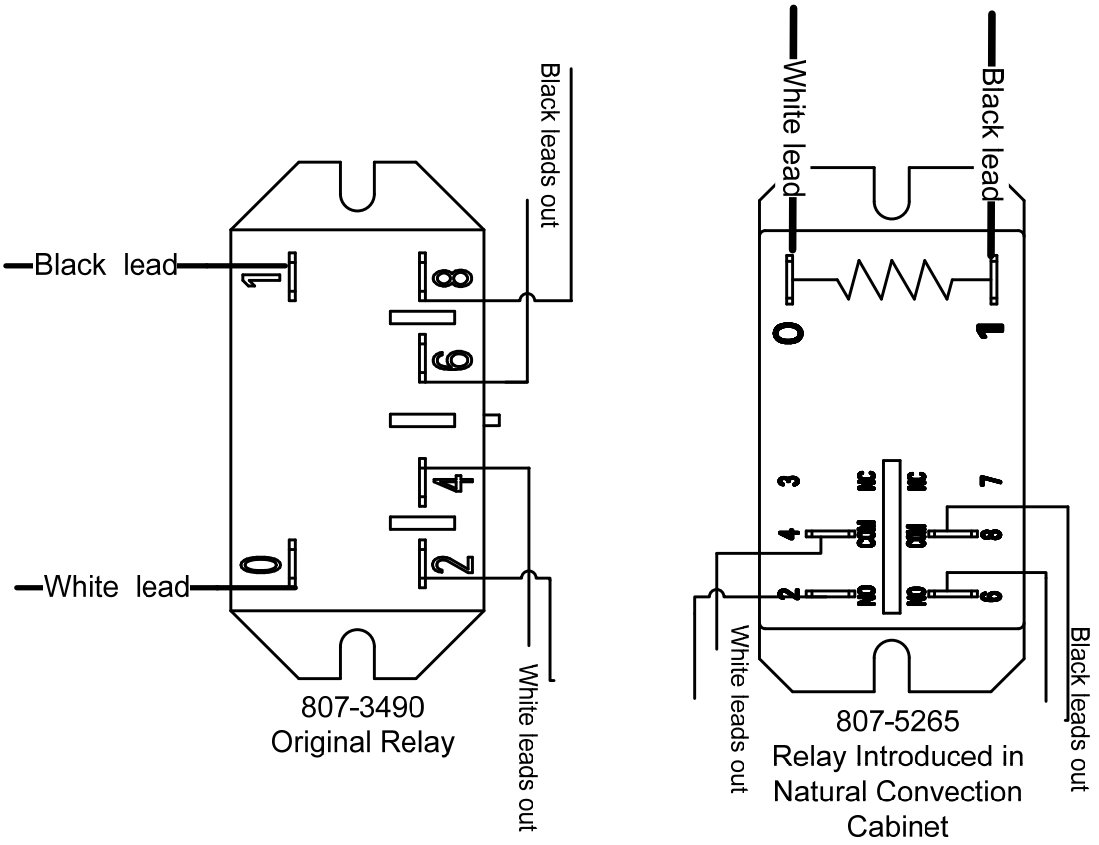
## Component Shelves



| # | Stock | Part Number | Description |
|---|---|---|---|
| 1 | ✓ | 826-3036 | Master control board |
| 2 | ✓ | 807-2665 | Blower (not used in natural convection cabinets) |
| 3 | | 406-0011 | Line filter |
| 4 | | 807-3490 | Latching relay |
| * | | 807-5265 | Latching relay, US natural convection cabinets (see below) |
| 5 | | 406-0010 | Line Filter Board |
| 6 | ✓ | 807-4868 | Power supply (on right cabinet side in natural convection units) |
| | | | **Ribbon Cables** |
| * | | 807-4916 | Time/Temp 18” used for front fascia |
| * | | 807-4917 | Time/Temp 32” used for rear fascia |
| * | | 807-4875 | Master distribution |
| * | | 807-4922 | Power to upper distribution board |
| * | | 807-4923 | Power to lower distribution board |
| * | | 807-4990 | USB Cable |

*Not Illustrated

## Latching Relays in US Natural Convection Cabinets




The natural convection (cabinet without fans) UHC-HD uses a different latching relay in the US. The new relay shares the same footprint as the original relay, but the terminals are laid out differently. (See diagrams above.)

The new relay can be used in all existing cabinets. However, the old relay can’t be used as a service part in natural convection units in the US.

# UHC-P

The UHC-P was the second generation of the holding cabinet, which, until recently, was made exclusively for McDonald's. This cabinet is programmed with a Palm Pilot or a minicomputer with an infrared communication dongle.

**Unique Physical Characteristics:**

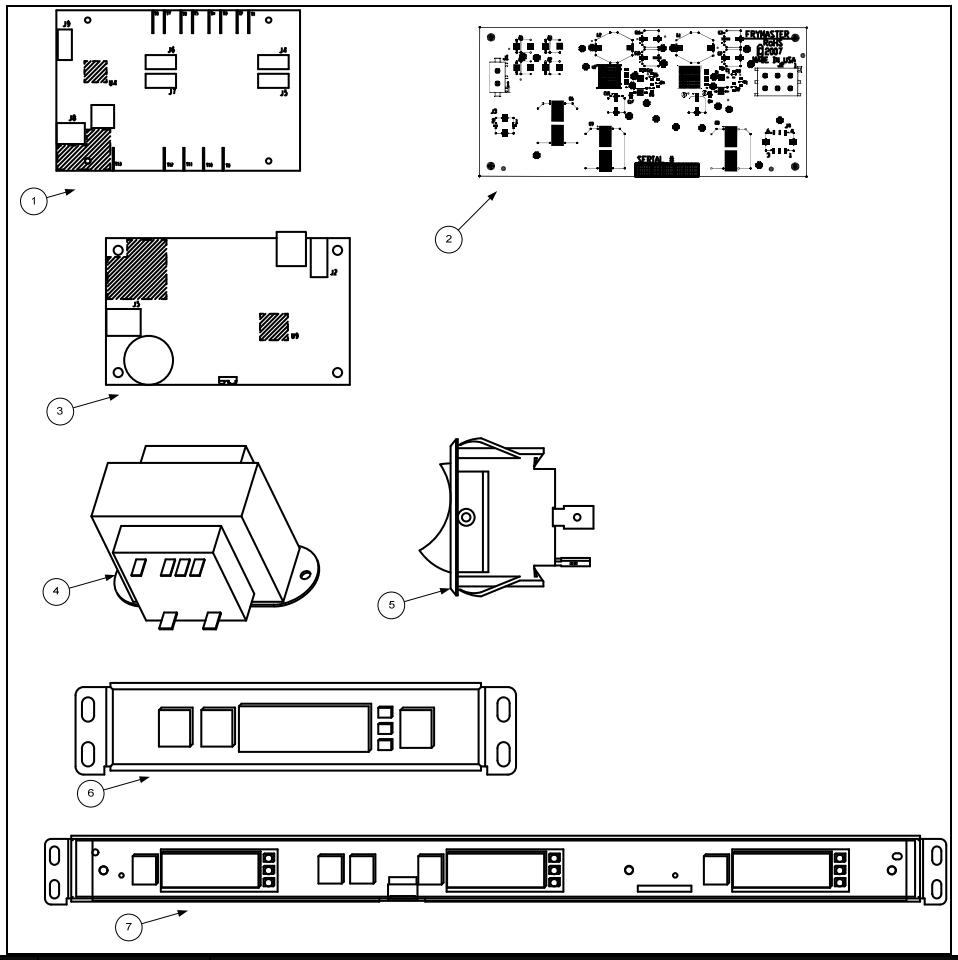
- Dark IR port on top right of the cabinet. Programming is beamed to the cabinet through this port from a Palm Pilot or minicomputer and dongle. The unit was offered in four-slot (shown above), two-slot and narrow configurations. There is no parts interchangeability between the UHC-P and the earlier UHC.

**Where Used:**

- McDonald' was the exclusive customer for the UHC-P. A generic version, the HCP, was later sold to other restaurants. The bezels and heater plates are different on the generic model.

**Common Model Numbers:** UHC-P4, UHC-P2 ,UHC-P Narrow and HCP.

# UHC-P




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 826-2644 | Distribution board |
| 2 | | 106-9516 | Power supply board |
| 3 | ✓ | 826-2590 | Communication board |
| 4 | | 807-4024 | Transformer |
| 5 | ✓ | 807-4036 | Switch |
| 6 | | 826-2589 | Display, narrow (equipped with ribbon cable) |
| 7 | ✓ | 826-2588 | Display, full (equipped with ribbon cable) |
| * | | 816-0714 | Bezel, HCP |
| * | ✓ | 826-2749 | Display, membrane |
| * | | 812-5251 | Heater plate, two or four slot |
| * | | 807-4065 | Heater plate, narrow |
| * | | 106-6577 | Heater plate, HCP |
| * | | 807-3918 | Communication cable |
| * | ✓ | 807-2819 | Fuse, 20 amp |
| * | | 826-2945 | Minicomputer controller with dongle, domestic (replaced obsolete Palm Pilot) |
| * | | 826-2946 | Minicomputer controller with dongle, export |
| * | | 826-3060 | UHC-P communications software for minicomputer |
| * | | 826-3070 | UHC-P communications software and dongle |
| * | | 807-5264 | Communications dongle (infrared device) |

* Not illustrated.

# UHC

The UHC was the first generation holding cabinet. This unit was built exclusively for McDonald's.

**Unique Physical Characteristics:**

- This unit is programmed with buttons on the bezel. There is no IR port. There is no part interchangeability between the UHC the UHC-P or the UHC-HD.

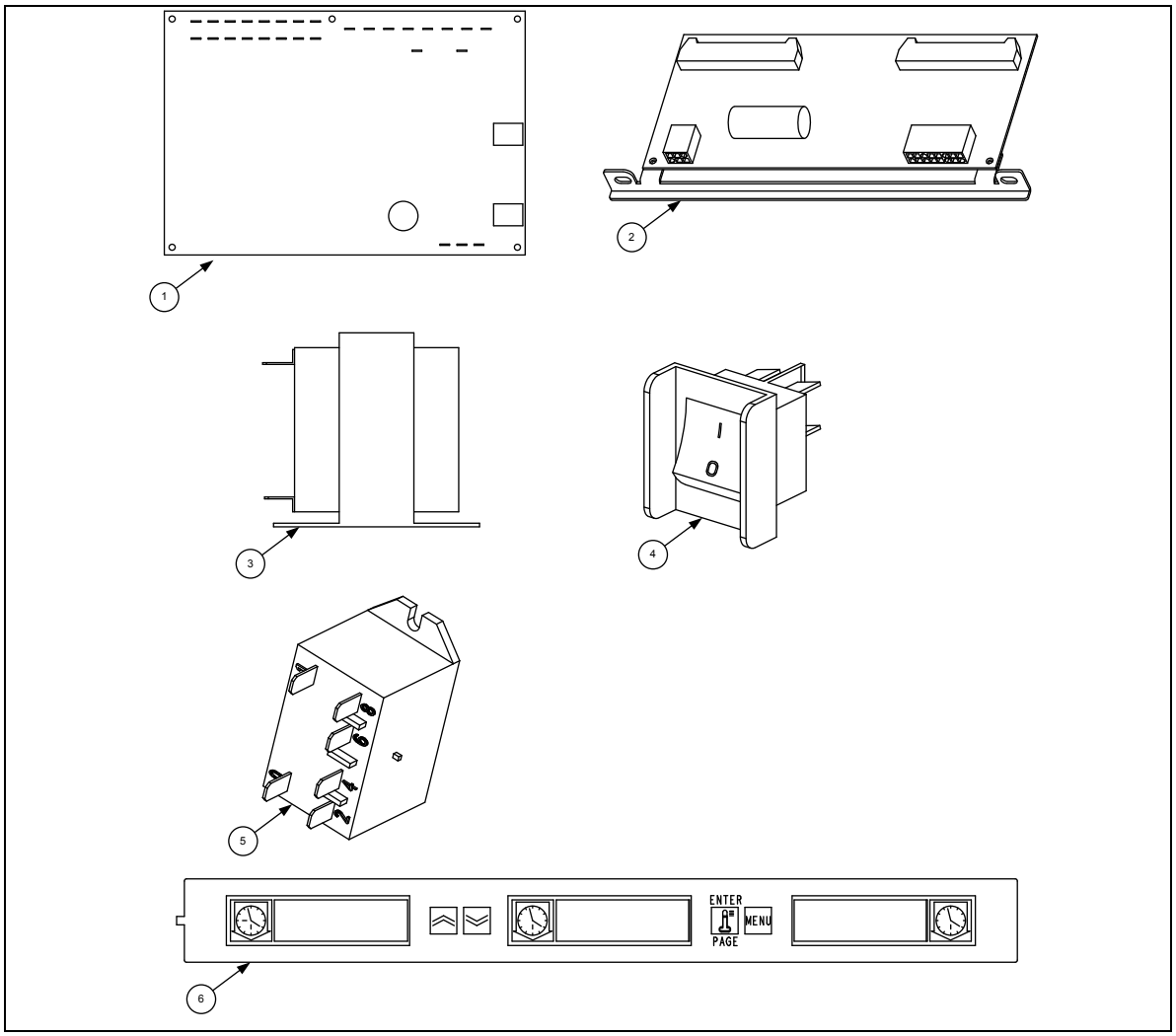
**Where Used:**

- McDonald's only

**Common Model Number:**

- UHC

# UHC




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | ✓ | 807-2443 | UHC Motherboard |
| 2 | ✓ | 807-2444 | UHC Driver board |
| 3 | | 807-2460 | Transformer |
| * | | 807-2769 | Transformer, CE UHC 208/240V |
| 4 | ✓ | 807-3308 | Switch |
| 5 | | 807-3490 | Relay, power |
| * | | 826-1718 | Switch Kit with relay ( includes switch, relay, bracket and wiring) |
| * | | 807-2766 | Filter, UHC CE Power Line |
| 6 | ✓ | 807-3309 | Front Display Assembly |
| * | ✓ | 807-3310 | Rear display Assembly |
| * | ✓ | 807-3311 | Front Membrane Switch |
| * | ✓ | 807-3312 | Rear Membrane Switch |
| * | | 812-1814 | Heater Plate, two or four slot |
| * | ✓ | 807-2448 | CN1 and CN2 Harnesses |
| * | ✓ | 807-2665 | Blower |
| * | ✓ | 807-2770 | 1.5 amp fuse |
| * | ✓ | 807-2819 | 20 amp fuse |

* Not illustrated.

# HLZ

The HLZ, or Heated Landing Zone, is a warming station sold exclusively to McDonald's.

**Unique Physical Characteristics**:

- Supplies heat with a plate and heated air.

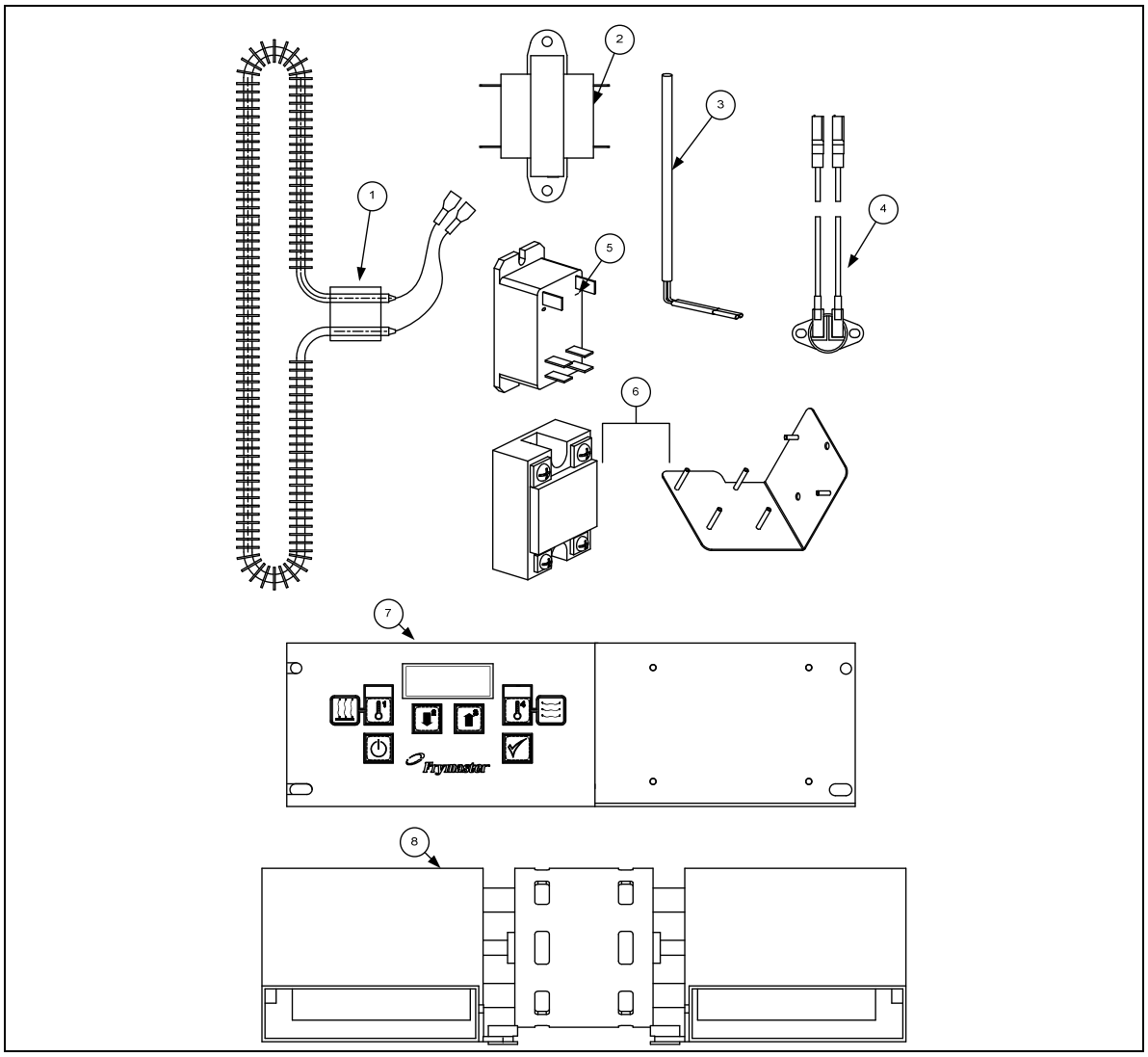
**Where Used:**

- McDonald's

**Common Model Number:**

- HLZ 18, HLZ 22

# HLZ




| # | Stock | Part # | Component |
|---|---|---|---|
| 1 | | 826-1549 | Air heater kit, 208V |
| 2 | ✓ | 807-0979 | Transformer 208/240/12V |
| * | | 807-3185 | Transformer, CE 230V |
| 3 | ✓ | 807-3036 | Air RTD Probe |
| 4 | ✓ | 807-3631 | Hi-limit |
| 5 | ✓ | 807-3021 | Latch, relay |
| * | ✓ | 807-2819 | 20A fuse |
| * | ✓ | 807-2820 | Fuse holder |
| 6 | ✓ | 826-2038 | Air Relay Kit, 50-amp |
| * | ✓ | 826-1958 | 5-amp Plate relay kit |
| 7 | ✓ | 826-2535 | Computer |
| 8 | ✓ | 826-1551 | Blower kit, 208/240V |
| | | 807-3691 | 220/240/50 Blower |

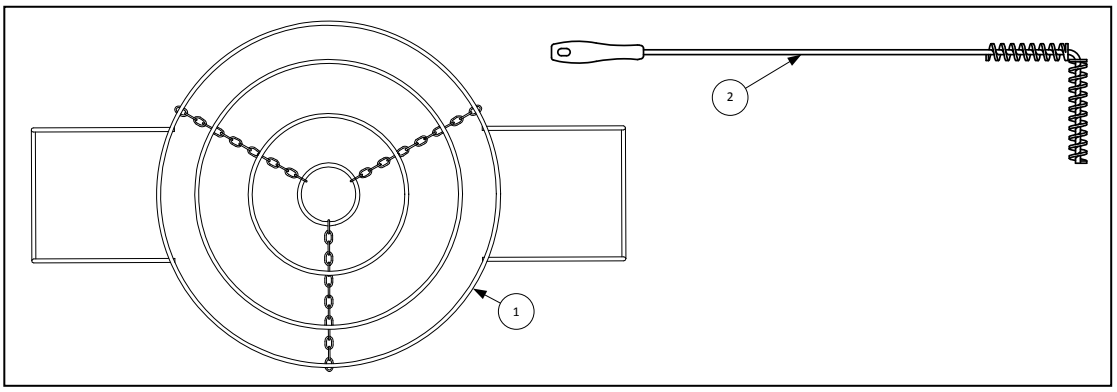
* Not Illustrated

# Tools

Frymaster sells a number of tools for working on our equipment. The complete list is below. Not all tools illustrated above are available from Frymaster.

| Part # | Description |
|---|---|
| 806-4855 | Pin-pusher screwdriver |
| 806-5023 | Transformer MTB-310a 120v/12v |
| 806-5093 | MTB/310a test box 120v |
| 806-5094 | MTB/310A TEST BOX 240v |
| 806-5095 | 5 ft. Ext remote cable assy |
| 807-0928 | Tool extract/pin pusher |
| 826-1746 | Load-Cell Simulator for Sinbad |
| 810-0504 | Fuse puller |
| 810-0765 | 1" conduit wrench |
| 810-0766 | 1.25" conduit wrench |
| 230-4028 | Spanner, element nut (used on RE elements) |
| 815-0385 | Socket 1" 6pt mld slot |
| 815-0386 | Socket 7/8" deep 6pt mld slot |
| 817-0001 | Tool roll Xcelite |
| 817-0002 | Gas pressure gauge |
| 817-0003 | Gas pressure gauge case |
| 230-2345 | Extractor pin, SMT, Micro amp |
| 810-3146 | ½” NPT tap |

# Filter Paper, Accessories




| # | Part No | Description/Dimensions | Where Used |
|---|---|---|---|
| | 803-0002 | Powder, Filter, 80 Indiv Packs | |
| | 803-0003 | Paper,Fltr 17.75 X 12.5 | Filter Magic 1 (prior to May 1990) |
| | 803-0042 | Filter Cone 10" | |
| 1 | 803-0072 | Holder, Cone 10" Collapsible | |
| | 803-0170 | Paper, Flt 19.5x27.50 100 Shts | BIH14, RE, FPP35, OCF, FPPH55, PF50, FMPH, all Footprint filters |
| 2 | 803-0278 | Brush, Teflon/L Shaped | |
| | 803-0283 | Filter Paper 11 X 22 5/8 | 12 BI Dean |
| | 803-0284 | PAPER, 16 3/8 X 24 3/8 FILTER | SCF 2424 (prior to 2001, cam latches) PF95LP, MF90-80LP |
| | 803-0285 | Fltr Ppr,16-3/8x18-3/8 100sht | FMF90 portable filters, except LP |
| | 803-0289 | PAPER,22 X 34 UFF FM FLTR(100) | UFF-50, 60 (2002 to current) KCF118E, BID180, FMCF, TCF |
| | 803-0303 | Filter Paper, 26x34 (100shts) | 1721, HPRE, 18G, 28/36 |
| | 803-0312 | Paper,12-5/8" X 22-5/8" Filter | 14A BI Dean |
| | 803-0314 | Paper,23-5/8" X 12-1/4" Filter | CFD160, D180 (spring Clip hold down) |
| | 803-0315 | Paper, 7-1/2" X 25" Filter | CFD135 Dean |
| | 803-0317 | Paper,Suff50 8.25x25.75 Filter | SUFF 50 (2001 and older) |
| | 803-0345 | Paper, 17 X 33.25 100pk Filter | SUFF/CF 50,80,, 18UE |
| | 803-0445 | Paper, 16.5 X 25.5 100pk Filter | All FilterQuick models |

# Family Class/Service Manual Cross Reference

| Family Class | Frymaster Sales Class Description | SP Manual |
|---|---|---|
| AI | HEATED PASS THROUGH | 819-5931 |
| AO | HEATED LANDING AREA | 819-5659 |
| AQ | HEATED LANDING ZONE | 819-5659 |
| BE | 11824E ELECTRIC FLAT BOTTOM | 819-6115 |
| BF | 12424E ELECTRIC FLAT BOTTOM | 819-6115 |
| BG | SCF22424E ELECTRIC FB W/SCF | 819-6115 |
| BH | SCF32424E ELECTRIC FB W/SCF | 819-6115 |
| BI | SCF42424E FLAT BOTTOM W/SCF | 819-6115 |
| BJ | SCF12424E ELECTRIC FB W/SCF | 819-6115 |
| EM | FMGL130 1 VAT OCF | 819-6688 |
| EN | FPGL230 2 VAT OCF | 819-6688 |
| EO | FPGL330 3 VAT OCF | 819-6688 |
| EP | FPGL430 4 VAT OCF | 819-6688 |
| ER | FPGL530 5 VAT OCF | 819-6688 |
| FA | MJ35 | 819-6092 |
| FAA | FM/F35 | 819-6092 |
| FB | MJ235 | 819-6092 |
| FBA | FM/F235 | 819-6092 |
| FC | MJ335 | 819-6092 |
| FCA | FM/F335 | 819-6092 |
| FD | FM35 W/FILTER | 819-6092 |
| FE | FM235 W/FILTER | 819-6092 |
| FG | FILTER-35 | 819-6092 |
| FH | FM335 W/FILTER | 819-6092 |
| FO | MJ435 | 819-6092 |
| FOA | FM/F435 | 819-6092 |
| FP | FM435 W/FILTER | 819-6092 |
| FQ | MJ535 | 819-6092 |
| FR | FM535 W/FILTER | 819-6092 |
| FS | FM635 W/FILTER | 819-6092 |
| FU | FPP335 W/FOOTPRINT PRO | 819-6092 |
| FV | FPP435 W/FOOTPRINT PRO | 819-6092 |
| FW | FPP235 W/FOOTPRINT PRO | 819-6092 |
| FX | FPP535 W/FOOTPRINT PRO | 819-6092 |
| GA | MJ45 | 819-6092 |
| GAA | FM/F45 | 819-6092 |
| GB | MJ245 | 819-6092 |
| GBA | FM/F245 | 819-6092 |
| GC | MJ345 | 819-6092 |

A two-letter insertion in Frymaster serial numbers (shown above) identifies the family and class of a fryer. These two letters, with the following chart, can be used to find the part number, if necessary, for the service manual. In some instances in the chart, a third letter appears. It's not in the serial number and can be ignored.

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| GCA | FM/F345 | 819-6092 |
| GD | MJ445 | 819-6092 |
| GDA | FM/F445 | 819-6092 |
| GE | MJ545 | 819-6092 |
| GEA | FM/F545 | 819-6092 |
| GG | FILTER-45 | 819-6092 |
| GH | FM45 W/FILTER | 819-6092 |
| GI | FM245 W/FILTER | 819-6092 |
| GJ | FM345 W/FILTER | 819-6092 |
| GK | FM445 W/FILTER | 819-6092 |
| GL | FM545 W/FILTER | 819-6092 |
| GN | FM645 W/FILTER | 819-6092 |
| GO | FP345 | 819-6092 |
| GP | FP245 W/FOOTPRINT | 819-6092 |
| GQ | FP445 | 819-6092 |
| GSA | F245 FILTER READY FRYERS | 819-6092 |
| GV | FP545 | 819-6092 |
| GW | FP645 W/FOOTPRINT | 819-6092 |
| GXA | FM/F545 FILTER READY | 819-6092 |
| GY | MJ745 | 819-6092 |
| GZ | FP145 W/FOOTPRINT | 819-6092 |
| HA | MJCF | 819-5186 |
| HAA | FM/FCF | 819-5186 |
| HB | MJ2CF | 819-5186 |
| HBA | FM/F2CF | 819-5186 |
| HC | MJ3CF | 819-5186 |
| HCA | FM/F3CF | 819-5186 |
| HD | G18FB/G24FB | 819-6031 |
| HDA | FM/F18/24FB | 819-6031 |
| HE | G218FB/G224FB | 819-6031 |
| HEA | FM/F218/224FB | 819-6031 |
| HF | FILTER, FLAT BOTTOM | 819-6031 |
| HG | FILTER-CF | 819-6031 |
| HH | FMCF W/FILTER | 819-5186 |
| HI | FM2CF W/FILTER | 819-5186 |
| HJ | FM3CF W/FILTER | 819-5186 |
| HK | FM4CF W/FILTER | 819-5186 |
| HM | G318FB/324FB | 819-6031 |
| HMA | FM/F318/324FB | 819-6031 |
| HR | FBR18 - RETHERMALZIER | 819-5278 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| HT | MJ4CF | 819-5186 |
| HTA | FM/F4CF | 819-5186 |
| HX | FM/F6CF W/FILTER | 819-5186 |
| HY | MJ6CF | 819-5186 |
| IA | H55 | 819-6083 |
| IAA | FM/F50 | 819-6083 |
| IB | H255 | 819-6083 |
| IBA | FM/F250 | 819-6083 |
| IC | H355 | 819-6083 |
| ICA | FM/F350 | 819-6083 |
| ID | FPPH255 W/FOOTPRINT | 819-6083 |
| IE | FPPH355 W/FOOTPRINT | 819-6083 |
| IF | FPPH455 W/FOOTPRINT | 819-6083 |
| IG | FILTER-H55 | 819-6083 |
| IH | FMPH55 W/FILTER | 819-6083 |
| II | FMPH255 W/FILTER | 819-6083 |
| IJ | FMPH355 W/FILTER | 819-6083 |
| IK | FMPH455 W/FILTER | 819-6083 |
| IL | FMPH555 W/FILTER | 819-6083 |
| IM | H455 | 819-6083 |
| IMA | FM/F450 | 819-6083 |
| IN | FPPH655 W/FOOTPRINT | 819-6083 |
| IO | FPH155 W/FOOTPRINT | 819-6083 |
| IQ | FMPH655 W/FILTER | 819-6083 |
| IR | FPPH555 W/FOOTPRINT | 819-6083 |
| IS | H555 | 819-6083 |
| IT | FMPH755 W/FILTER | 819-6083 |
| IU | FMPH855 W/FILTER | 819-6083 |
| IV | H655 | 819-6083 |
| JL | FPH21721 - FOOTPRINT | 819-5981 |
| JM | FPH31721 - FOOTPRINT | 819-5981 |
| JN | FPH41721 - FOOTPRINT | 819-5981 |
| JO | FPH51721 - FOOTPRINT | 819-5981 |
| JP | FPH61721 - FOOTPRINT | 819-5981 |
| JS | FP228 - FOOTPRINT | 819-6049 |
| JT | FP128/136S - FOOTPRINT | 819-6049 |
| JU | FP128/236S - FOOTPRINT | 819-6049 |
| KA | YFG155 DEAN GAS RETHERMALIZER | 819-6900 |
| KB | YFG255 DEAN GAS RETHERMALIZER | 819-6900 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| KC | YFE155 DEAN ELEC RETHERMALIZER | 819-6900 |
| KH | GPCRC & GPCR GAS PASTA | 819-6692 |
| KI | GPCB & GPC GAS PASTA | 819-6692 |
| KJ | GPCRB/GPCB 2 - GAS PASTA BATTE | 819-6692 |
| KM | 8SMS | 819-5246 |
| KN | 8BC/8C | 819-5246 |
| KS | GSMS SPAGHETTI MAGIC | 819-5312 |
| KT | GBC/GC SPAGHETTI COOKER | 819-5312 |
| KU | GSMS/GBC SPAGHETTI BATTERY | 819-5312 |
| KV | GSW GAS SAUCE WARMER | 819-5312 |
| KZ | XMH552 | 819-5423 |
| KZA | MH552 | 819-5423 |
| LA | BIELA214 ELECTRIC W/AIF | 819-6446 |
| LB | BIELA314 ELECTRIC W/AIF | 819-6446 |
| LC | BIELA414 ELECTRIC W/AIF | 819-6446 |
| LD | XBIELA214 ELECTRIC W/AIF | 819-6446 |
| LE | XBIELA314 ELECRIC W/AIF | 819-6446 |
| LF | XBIELA414 ELECTRIC W/AIF | 819-6446 |
| LG | BIELA514 | 819-6446 |
| LGA | XBIELA514 | 819-6446 |
| LJ | MPH155 | 819-6094 |
| LK | XBIPH555 W/BUILT IN FILTER | 819-6094 |
| LKA | BIPH555 W/BUILT IN FILTER | 819-6094 |
| LL | MPH255 | 819-6094 |
| LM | MPH355 | 819-6094 |
| LN | XMPH255 | 819-6094 |
| LO | XMPH355 | 819-6094 |
| LP | BIPH255 W/BUILT IN FILTER | 819-6094 |
| LQ | XBIPH255 W/BUILT IN FILTER | 819-6094 |
| LR | BIPH355 W/BUILT IN FILTER | 819-6094 |
| LS | XBIPH355 W/BUILT IN FILTER | 819-6094 |
| LT | BIPH455 W/BUILT IN FILTER | 819-6094 |
| LU | XBIPH455 W/BUILT IN FILTER | 819-6094 |
| LV | MPH455 | 819-6094 |
| LW | XMPH155 | 819-6094 |
| LX | MPH455 | 819-6094 |
| LY | XMPH455 | 819-6094 |
| LZ | BIPH155 W/BUILT IN FILTER | 819-6094 |
| LZA | XBIPH155 W/BUILT IN FILTER | 819-6094 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| MA | SR142 SUPER RUNNER GAS FRYER | 819-5948 |
| MB | SR152G SUPER RUNNER GAS FRYER | 819-5948 |
| MF | SR114E ELECTRIC ECONOMY FRYER | 819-6109 |
| MH | MRE514 | 819-6152 |
| MI | XMRE514 | 819-6152 |
| MJ | BIRE514 W/BUILT IN FILTER | 819-6152 |
| MK | MRE414 | 819-6152 |
| ML | XMRE414 | 819-6152 |
| MM | MRE214 | 819-6152 |
| MN | MRE314 | 819-6152 |
| MNR | BIRE514 W/BUILT IN FILTER | 819-6152 |
| MO | XMRE214 | 819-6152 |
| MP | XMRE314 | 819-6152 |
| MQ | MRE114/114-2 | 819-6152 |
| MR | XMRE114/114-2 | 819-6152 |
| MS | XBIRE514 W/BUILT IN FILTER | 819-6152 |
| MT | BIRE214 W/BUILT IN FILTER | 819-6152 |
| MU | BIRE314 W/BUILT IN FILTER | 819-6152 |
| MV | BIRE114 W/BUILT IN FILTER | 819-6152 |
| MVA | XBIRE114 W/BUILT IN FILTER | 819-6152 |
| MW | XBIRE214 W/BUILT IN FILTER | 819-6152 |
| MX | XBIRE314 W/BUILT IN FILTER | 819-6152 |
| MY | BIRE414 W/BUILT IN FILTER | 819-6152 |
| MZ | XBIRE414 W/BUILT IN FILTER | 819-6152 |
| NA | RE14/17/22 | 819-6150 |
| NAA | FRE14/17/22 | 819-6150 |
| NB | RE214/217/222 | 819-6150 |
| NBA | FRE214/217/222 | 819-6150 |
| NC | RE314/317/322 | 819-6150 |
| NCA | FRE314/317/322 | 819-6150 |
| ND | RE414/417/422 | 819-6150 |
| NDA | FRE414/417/422 | 819-6150 |
| NE | FPRE214/217/222 W/FOOTPRINT | 819-6150 |
| NF | FPRE314/317/322 W/FOOTPRINT | 819-6150 |
| NH | FMRE14/17/22 W/FILTER | 819-6150 |
| NI | FMRE214/217/222 W/FILTER | 819-6150 |
| NJ | FMRE314/317/322 W/FILTER | 819-6150 |
| NK | FMRE414/417/422 W/FILTER | 819-6150 |
| NL | FMRE514/517/522 W/FILTER | 819-6150 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| NLA | FPRE514/517/522 W/FOOTPRINT | 819-6150 |
| NM | FMRE14/17/22 W/TRIAC & FLTR | 819-6150 |
| NN | FMRE214/217/222 W/TRIAC & FLTR | 819-6150 |
| NO | FMRE314/317/322 W/TRIAC & FLTR | 819-6150 |
| NP | FMRE414/417/422 W/TRIAC & FLTR | 819-6150 |
| NQ | RE14/17 TRIAC ELECTRIC | 819-6150 |
| NQA | FRE14/17 TRIAC ELECTRIC | 819-6150 |
| NR | RE214/217 TRIAC ELECTRIC | 819-6150 |
| NRA | FRE214/217 TRIAC ELECTRIC | 819-6150 |
| NS | RE314/317 TRIAC ELECTRIC | 819-6150 |
| NSA | FRE314/317 TRIAC ELECTRIC | 819-6150 |
| NT | RE414/417/422 TRIAC ELECTRIC | 819-6150 |
| NTA | FRE414/417/422 TRIAC ELECTRIC | 819-6150 |
| NU | FPRE214/217 TRIAC FOOTPRINT | 819-6150 |
| NV | FPRE314/317 TRIAC FOOTPRINT | 819-6150 |
| NW | FPRE14/17 TRIAC FOOTPRINT | 819-6150 |
| NX | FPRE114/117/122 FOOTPRINT | 819-6150 |
| NY | FMRE514/517 W/TRIAC & FLTR | 819-6150 |
| NYA | FMRE514/517 W/TRIAC & FLTR | 819-6150 |
| NZ | FPRE414/417 FOOTPRINT | 819-6150 |
| NZA | FPRE414/417 TRIAC FOOTPRINT | 819-6150 |
| OA | 2424G GAS FLAT BOTTOM | 819-6031 |
| OAA | F12424G FILTER READY SINGLES | 819-6031 |
| ON | FMRE614/617/622 W/FILTER | 819-6150 |
| ONA | FMRE614/617 W/TRIAC & FLTR | 819-6150 |
| OP | RE514/17/22 ELECTRIC BATTERY | 819-6150 |
| OQ | FPRE614/617/622 W/FOOTPRINT | 819-6150 |
| OR | RE614/17/22 | 819-6150 |
| PG | MCDONALDS PORTABLE FILTER | 819-6301 |
| PN | 11814 GAS FRYERS | 819-6314 |
| PNA | 11814F GAS FRYERS W/FILTRATION | 819-6314 |
| PO | 21814 GAS FRYERS | 819-6314 |
| PP | 31814 GAS FRYERS | 819-6314 |
| PS | 21814F GAS FRYERS W/FILTRATION | 819-6314 |
| PSA | 31814F GAS FRYERS W/FILTRATION | 819-6314 |
| PT | 21814EF ELEC FRYER W/FILTER | 819-6314 |
| PU | 11814E ELECTRIC FRYER | 819-6314 |
| PV | 21814E ELECTRIC FRYER | 819-6314 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| PW | 11814EF ELEC FRYER W/FILTER | 819-6314 |
| PX | 41814F GAS FRYERS W/FILTRATION | 819-6314 |
| PY | 21824G FLATBOTTOM | 819-6031 |
| PZ | 31824G FLATBOTTOM | 819-6031 |
| QA | 12424G YUM FLATBOTTOM | 819-6031 |
| QAA | 12424G YUM FLATBOTTOM FLTR RDY | 819-6031 |
| QB | FE155 ELEC RETHERMALIZER | 819-6440 |
| QBA | FE255 ELEC RETHERMALIZER | 819-6440 |
| QC | 22424G FLATBOTTOMS | 819-6031 |
| QD | SCF11824G/MC W/SUPER CASCADE | 819-6031 |
| QE | SCF31824 W/SUPER CASCADE | 819-6031 |
| QF | SCF22424G FB W/SUPER CASCADE | 819-6031 |
| QG | SCF32424 FB W/SUPER CASCADE | 819-6031 |
| QH | SCF52424G FB W/SUPER CASCADE | 819-6031 |
| QJ | SCF42424G FB W/SUPER CASCADE | 819-6031 |
| QN | 11824G FLATBOTTOM | 819-6031 |
| QNA | F11824G FLATBOTTOM FILTER RDY | 819-6031 |
| QU | SCF22424/1824G | 819-6031 |
| QV | SCF32424/1824G FLAT BOTTOM SYS | 819-6031 |
| RA | SCF62424G FB W/SUPER CASCADE | 819-6031 |
| RU | BIGLA230 GAS W/AIF | 819-6316 |
| RV | BIGLA330 GAS W/AIF | 819-6316 |
| RW | BIGLA430 GAS W/AIF | 819-6316 |
| RWA | BIGLA530 GAS W/AIF | 819-6316 |
| RX | XBIGLA230 GAS W/AIF | 819-6316 |
| RY | XBIGLA330 GAS W/AIF | 819-6316 |
| RZ | XBIGLA430 GAS W/AIF | 819-6316 |
| RZA | XBIGLA530 GAS W/AIF | 819-6316 |
| SB | SINBAD | 819-5874 |
| SD | SHORTENING DISPOSAL | 819-5703 |
| SE | MCD'S SHORTENING DISPOSAL | 819-5236 |
| SJ | SINBAD II | 819-5874 |
| SM | MSBDJ MCDONALD'S SINBAD JR | 819-5862 |
| TK | D150GDD | 819-5922 |
| TL | D50/D20G | 819-5922 |
| TM | D150 DECATHLON FRYER | 819-5922 |
| TMA | HD150 H.E. DECATHLON FRYER | 819-5922 |
| TN | D250G DECATHLON FRYER | 819-5922 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| TNA | HD250 DECATHLON FRYER | 819-5922 |
| TO | D350G DECATHLON FRYER BATTERY | 819-5922 |
| TOA | HD350 DECATHLON FRYER | 819-5922 |
| TP | D450G DECATALON FRYER | 819-5922 |
| TQ | CFD150G W/SUFF | 819-5922 |
| TQA | CFHD150G HE W/SUFF | 819-5922 |
| TR | D250G W/SUPER CASCADE FILTER | 819-5922 |
| TRA | HD250G W/SUPER CASCADE FILTER | 819-5922 |
| TS | D350G W/SUPER CASCADE FILTER | 819-5922 |
| TSA | HD350G W/SUPER CASCADE FILTER | 819-5922 |
| TU | D450G W/SUPER CASCADE FILTER | 819-5922 |
| TUA | HD450G W/SUPER CASCADE FILTER | 819-5922 |
| TV | D550G W/SUPER CASCADE FILTER | 819-5922 |
| TVA | HD550G W/SUPER CASCADE FILTER | 819-5922 |
| TY | D750G W/SUPER CASCADE FILTER | 819-5922 |
| UF | HCP2T | 819-6044 |
| UG | HCP4T | 819-6044 |
| UGA | HCP - NARROW | 819-6044 |
| UH | UHC - 4 SLOT | 819-5551 |
| UHA | UHC - 2 SLOT | 819-5551 |
| UHB | UHC - NARROW | 819-5551 |
| UHC | UHCHD - 6 SLOT | 819-6606 |
| UHD | UHCHD - 3 SLOT | 819-6606 |
| V0 | SCF318UE W/SUPER CASCADE | 819-5981 |
| VA | 18UE ELECTRIC FRYER | 819-5981 |
| VD | EH41721 ELEC CHK(DEAN) NON-KFC | 819-5981 |
| VH | EH21721 ELEC W/SUPER CASCADE | 819-5981 |
| VI | FEH31721 DEAN UNIT | 819-5981 |
| VK | FPH21721 ELECT W/SUPER/CASCD | 819-5981 |
| VM | FPH31721 (DEAN) | 819-5981 |
| VN | EH21721 W/BUILT IN FILTER | 819-5981 |
| VO | EH21721 W/FILTER (DEAN UNIT) | 819-5981 |
| VP | 218UE | 819-5981 |
| VR | FPH41721 (DEAN) | 819-5981 |
| VT | FPH51721 DEAN UNIT W/FILTER | 819-5981 |
| VV | EH21721 | 819-5981 |
| VVA | FH21721 FILTER READY | 819-5981 |
| VW | EH31721 | 819-5981 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| VX | FPH11721 | 819-5981 |
| VZ | SCF218UE W/SUPER CASCADE | 819-5981 |
| WA | D160G DECATHLON FRYER | 819-5922 |
| WAA | HD160G H.E. DECATHLON FRYER | 819-6314 |
| WB | D260G DECATHLON FRYER | 819-5922 |
| WBA | HD260G HE DECATHLON FRYER | 819-6314 |
| WC | D360G DECATHLON FRYER | 819-5922 |
| WCA | HD360G HE DECATHLON FRYER | 819-6314 |
| WD | D460G DECATHLON FRYER | 819-5922 |
| WDA | HD460G HE DECATHLON FRYER | 819-6314 |
| WE | CFD160G W/SUFF | 819-5922 |
| WEA | HD160G W/SUPER CASCADE FILTER | 819-6314 |
| WF | D260G W/SUPER CASCADE FILTER | 819-5922 |
| WFA | HD260G W/SUPER CASCADE FILTER | 819-6314 |
| WG | SCFD360G D360G W/SUPER CASCADE | 819-5922 |
| WGA | SCFHD360G D360G W/SCF | 819-6314 |
| WH | SCFD460G D460 W/SUPER CASCADE | 819-5922 |
| WHA | HD460G W/SUPER CASCADE FILTER | 819-6314 |
| WI | SCFD560G D560G W/SUPER CASCADE | 819-5922 |
| WIA | HD560G W/SUPER CASCADE | 819-6314 |
| WJ | SCFD220/350G W/SUPER CASCADE | 819-5922 |
| WK | SCFD660G D660G W/SUPER CASCADE | 819-5922 |
| WKA | SCFHD660G HD660G W/SCF | 819-6314 |
| WM | D180G DECATHLON FRYER | 819-5922 |
| WN | D280G DECATHLON FRYER | 819-5922 |
| WO | D380G DECATHLON FRYER | 819-5922 |
| WP | D480G DECATHLON FRYER | 819-5922 |
| WQ | CFD180G W/SUFF | 819-5922 |
| WR | D280G W/SUPER CASCADE FILTER | 819-5922 |
| WRA | HD280G W/SUPER CASCADE FILTER | 819-6314 |
| WS | D380G W/SUPER CASCADE FILTER | 819-5922 |
| WT | SCFD180/250GDD | 819-5922 |
| WU | D480G W/SUPER CASCADE FILTER | 819-5922 |
| WV | D580G W/SUPER CASCADE FILTER | 819-5922 |
| WW | D680G W/SUPER CASCADE FILTER | 819-5922 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| XA | SM150G SUPER MARATHON | 819-5948 |
| XB | SM250G SUPER MARATHON | 819-5948 |
| XC | SM350G SUPER MARATHON | 819-5948 |
| XE | SM350G W/SUPER CASCADE FILTER | 819-5948 |
| XF | CFSM150G W/SUFF | 819-5948 |
| XG | SCFSM450G W/SUPER CASCADE | 819-5948 |
| XH | SM150GDI DROP IN | 819-5948 |
| XI | SM650G W/SUPER CASCADE | 819-5948 |
| XJ | SM450G SUPER MARATHON | 819-5948 |
| XK | SM360G SUPER MARATHON | 819-5948 |
| XL | SCFSM50/20 W/SUPER CASCADE | 819-5948 |
| XM | SM160G SUPER MARATHON | 819-5948 |
| XN | SM260G SUPER MARATHON | 819-5948 |
| XO | SCFSM460G | 819-5948 |
| XP | SM160/150GDD SUPER MARATHON | 819-5948 |
| XQ | CFSM160G W/SUFF | 819-5948 |
| XR | SCFSM260G W/SUPER CASCADE | 819-5948 |
| XS | SCFSM360G W/SUPER CASCADE | 819-5948 |
| XT | SCFSM160/250GDD | 819-5948 |
| XU | SCFSM460G W/SUPER CASCADE | 819-5948 |
| XV | SCFSM560G W/SUPER CASCADE | 819-5948 |
| XW | SCFSM550G W/SUPER CASCADE | 819-5948 |
| YE | SM180G SUPER MARATHON | 819-5948 |
| YH | CFSM180G W/SUFF | 819-5948 |
| YI | SCFSM380G SM380G W/SCF | 819-5948 |
| YJ | SM280G W/SUPER CASCADE | 819-5948 |
| YK | SM180GDI DROP IN | 819-5948 |
| YL | SM280G SUPER MARATHON | 819-5948 |
| YM | SM140G SUPER MARATHON | 819-5948 |
| YN | SM235G, SUPER MARATHON | 819-5948 |
| YO | SM340G, SUPER MARATHON | 819-5948 |
| YP | SM435G, SUPER MARATHON | 819-5948 |
| YQ | SM480G W/SCF | 819-5948 |
| YR | SM140/120G | 819-5948 |
| YS | SCFSM140G SM140G W/SCF | 819-5948 |
| YT | SCFSM240G SM240G WSCF | 819-5948 |
| YU | SCFSM340G SM340G W/SCF | 819-5948 |
| YV | SCFSM440G SM440G W/SCF | 819-5948 |
| YW | SCFSM140/220G W/SCF | 819-5948 |
| YX | SCFSM640G | 819-5948 |

# Family Class/Service Manual Cross Reference

| | | |
|---|---|---|
| YY | SM140GDI, DROP IN | 819-5948 |
| ZA | FPD265G W/FOOTPRINT | 819-5922 |
| ZAA | FPHD265G W/FOOTPRINT | 819-6314 |
| ZB | FPD365G W/FOOTPRINT | 819-5922 |
| ZBA | FPHD365G W/FOOTPRINT | 819-6314 |
| ZC | FPD465G W/FOOTPRINT | 819-5922 |
| ZCA | FPHD465G W/FOOTPRINT | 819-6314 |
| ZD | FPD565G W/FOOTPRINT | 819-5922 |
| ZDA | FPHD565G W/FOOTPRINT | 819-6314 |
| ZDB | FPLHD565G W/FOOTPRINT | 819-6314 |
| ZE | FPD665G W/FOOTPRINT | 819-5922 |
| ZEA | FPHD665G W/FOOTPRINT | 819-6314 |
| ZF | D120/150G W/SUPER CASCADE | 819-5948 |
| ZG | HD165 HIGH EFF D65 FRYER | 819-6314 |
| ZH | D220G | 819-5948 |
| ZI | D120G W/MC | 819-5948 |
| ZJ | SCFD420 W/SCF | 819-5948 |
| ZK | SCFD220G | 819-5948 |
| ZKA | FD220G FILTER READY | 819-5948 |
| ZL | D320G | 819-5948 |
| ZMA | CFHD163 OR 65 | 819-6314 |
| ZN | HD365 HIGH EFF D65 FRYER | 819-6314 |

Frymaster, a member of the Commercial Food Equipment Service Association, recommends using CFESA-certified technicians.

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